CONTENTS

FA Integrated Solution **A-01**
Example of Product Application **A-03**
3-year Warranty/FA Equipment Mobile Showroom **A-05**
WEB **A-06**
FA e-Learning **A-08**

CONTROLLERS 1

Programmable Controllers 4

MELSEC iQ-R Series **10**
MELSEC iQ-F Series **34**
MELSEC-Q Series **60**
MELSEC-L Series **92**
MELSEC-F Series **106**
MELSEC-QS/WS Series **122**
Network Related Products **132**
Engineering and Programming Software **152**
iQ Sensor Solution **168**
Product List **172**

Servo System Controller 202

SSCNETⅢ/H Servo System Controller Network **204**
Motion Controller **206**
Simple Motion Module **217**
Engineering Software MELSOFT **224**

DRIVE PRODUCTS 227

AC Servo 230

MELSERVO-J4 ..... **232**
• Product Line-up **238**
• Servo Amplifiers **242**
• Rotary Servo Motors **284**
• Linear Servo Motors **316**
• Direct Drive Motors **338**
MELSERVO-J3 ..... **346**
MELSERVO-JE **358**

Inverter 386

FREQROL-A800 Series **388**
FREQROL-F800 Series **424**
FREQROL-E700 Series **462**
FREQROL-F700PJ Series **482**
FREQROL-D700 Series **496**

GRAPHIC OPERATION TERMINAL 505

GOT2000 Series **508**
GOT1000 Series **522**
GOT SIMPLE Series **538**
MELSOFT GT Works3 ..... **546**
Product List **552**
Explosion Proof GOT1000 Series **564**

INDUSTRIAL ROBOT 569

F Series RV **577**
F Series RH **583**

LOW-VOLTAGE POWER DISTRIBUTION PRODUCTS 591

Low-Voltage Circuit Breakers 594

Molded Case Circuit Breakers **602**
Earth Leakage Circuit Breakers **612**
Motor Protection Breakers **618**
UL 489 Listed Circuit Breakers **619**
Measuring Display Unit Breakers **623**
Miniature Circuit Breakers **632**
Residual Current Circuit Breakers Isolating Switch **636**
Circuit Protector **638**
Low Voltage Air Circuit Breakers **642**
Earth Leakage Relays **644**
Installation and Connection **646**
Internal Accessories **655**
Characteristics and Dimensions **658**

Magnetic Contactor and Starters 750

Magnetic Starter/Contactor **771**
Thermal Overload Relays **783**
Contactor Relays **789**
Optional Unit **793**
Solid State Contactors **796**
Motor Circuit Breakers **798**

POWER MONITORING PRODUCTS 805

Power Management Meters 808

Electronic Multi Measuring Instruments **808**

Energy Saving Supporting Device 818

EcoMonitorPro **818**
EcoMonitorLight **821**
EcoWebServerⅢ **838**

Equipment System Migration **B-01**
Production/Development **B-23**
Global Network **B-25**
Warranty **B-43**
Index **B-45**

FA Integrated Solution
e-F@ctory

Is your factory able to visualize to challenges and issues?

e-F@actory, with the IT technology, is directly connected to production sites and information systems.
With implementation of factory visualization, one can efficiently optimize production by improving production equipment/facilities, reducing development time/man-hours/start-up time, reducing operation/maintenance costs, etc., and achieve a reduction in total production costs.

e-F@ctory

Production facilities

Reduction of energy costs

e&ecoF@ctory

Mitsubishi Electric FEMS (e&eco-f@ctory)

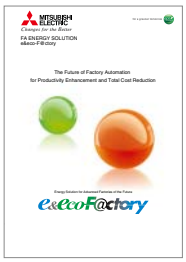
With the current desire to reduce energy utilization in factories, Mitsubishi Electric energy-saving technology reduces consumption and improves productivity by visualizing all energy-related factors.

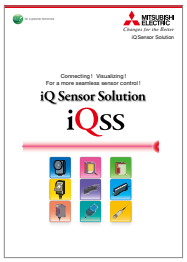
FA-IT Integrated Cost Reduction

FA-IT Collaborative Products

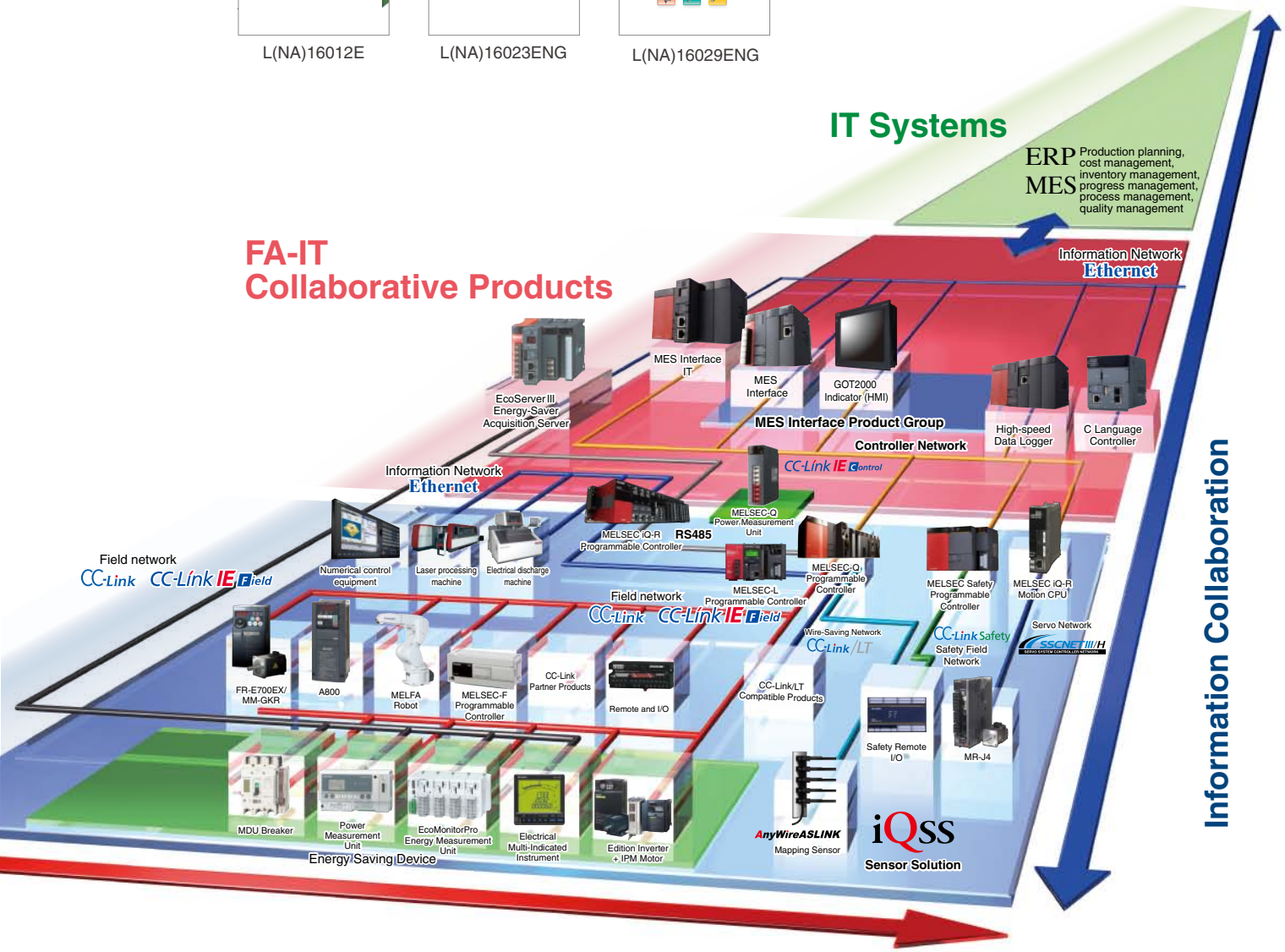
Production equipment and MES (manufacturing execution systems) integrated costs are reduced by connecting directly without a communication gateway such as a PC.
In addition, with using integrated data, enhancing traceability and productivity are achieved.

L(NA)16012E


L(NA)16023ENG


L(NA)16029ENG

For details, please refer to the “Mitsubishi FA Integrated Solutions e-F@ctory”, “Mitsubishi FA Energy Solutions e-F@ctory”, and “iQ Sensor Solutions catalogs.”



Cost reduction from development to production and maintenance iQ Platform

iQ Platform

Bloated production data, shortened product cycles, rapidly changing production volume and etc...
Acceleration of start-up processes and operational cost control are big issues for production sites.
The iQ Platform optimizes production sites with an integrated control network engineering tool.

Reduction of sensor establishment and maintenance cost iQSS

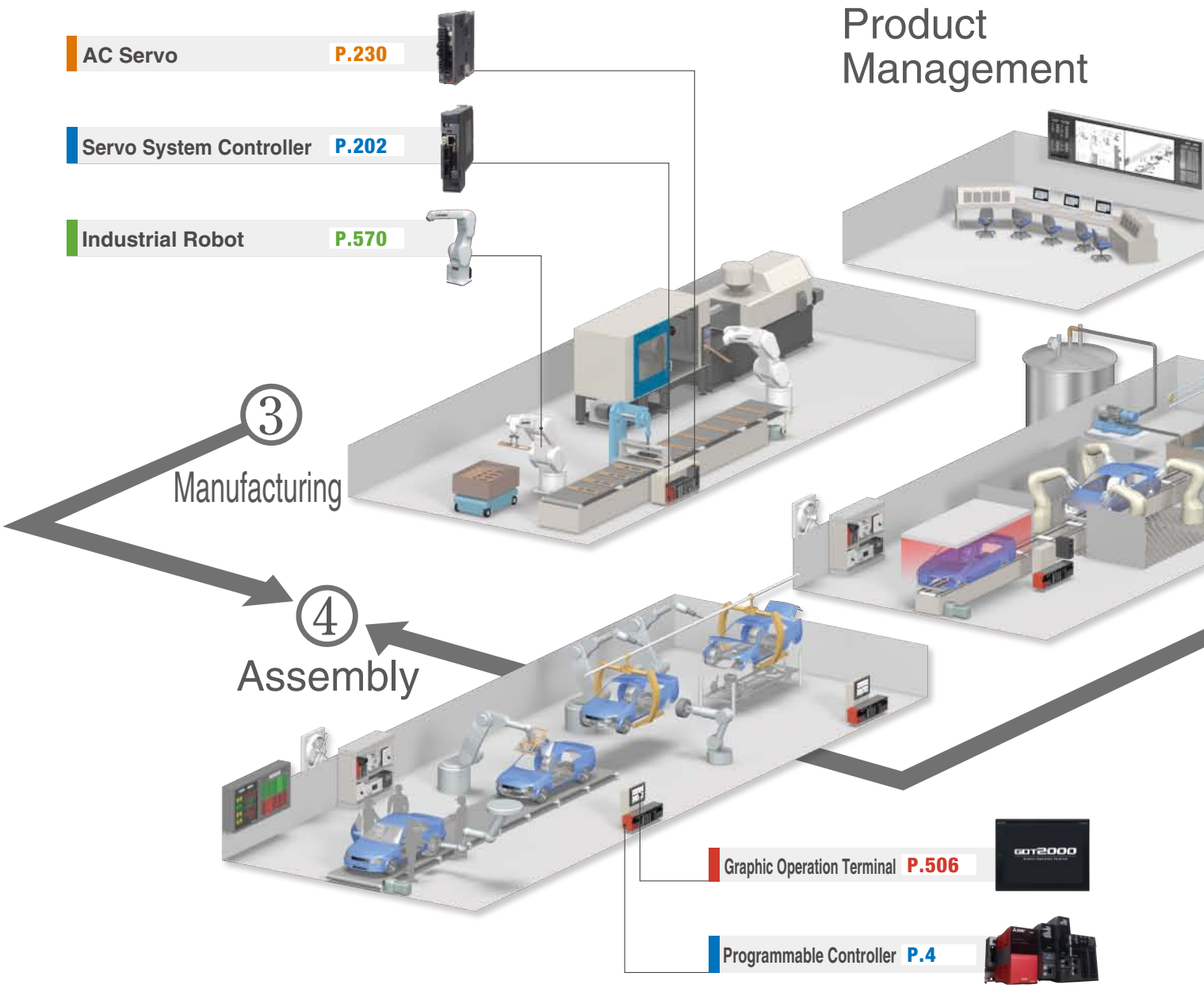
iQ Sensor Solution

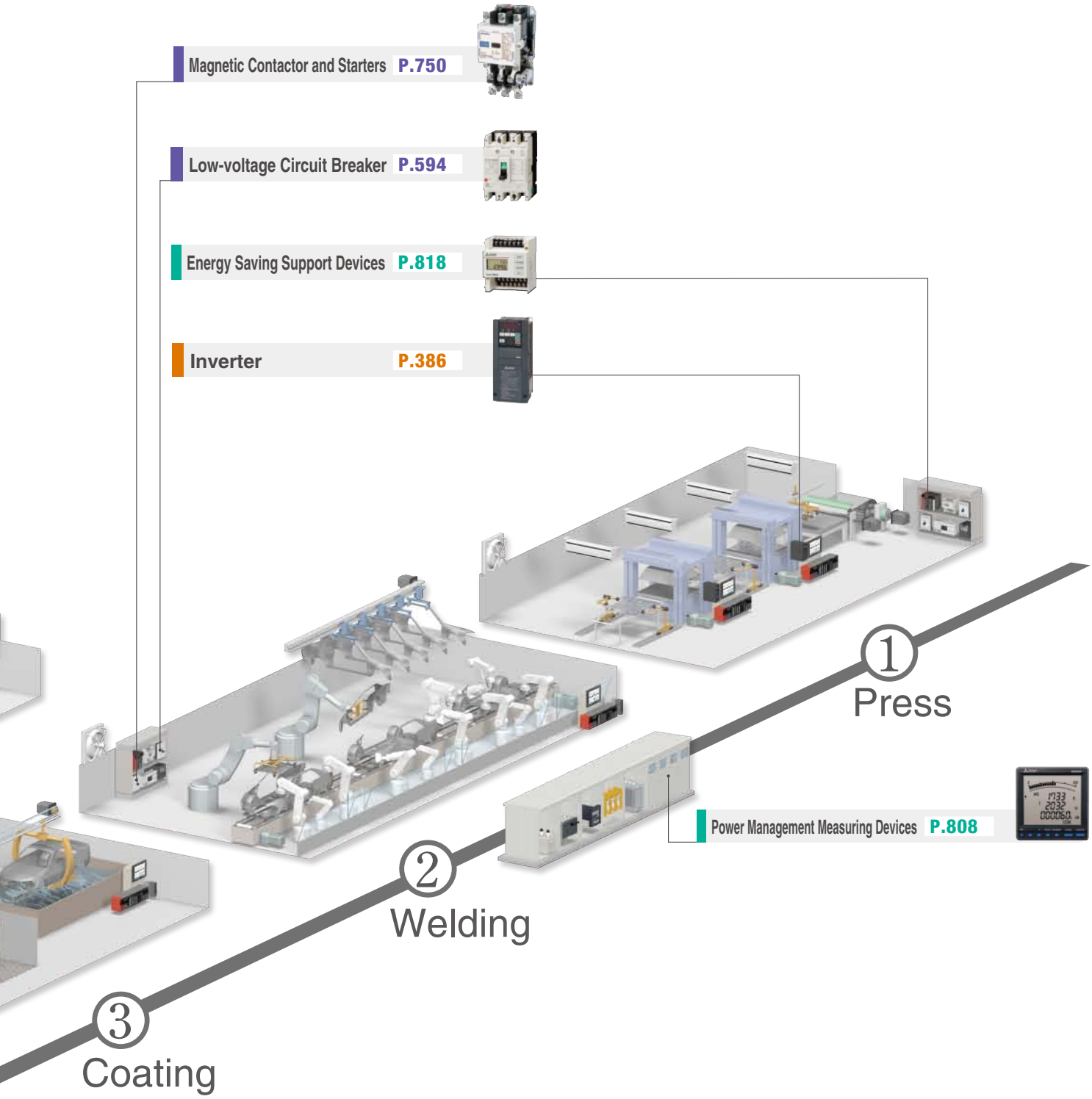
The establishment and maintenance of many different sensors in a production line is achieved in one tool.
iQSS corresponding partner sensors can be set and managed at once, reducing design, start-up,
and maintenance cost.

Example of Product Application

Various production sites' various locations are supported by the our optimized FA device.

With expanding our product line-up, we always continue to challenge product development to respond to customer needs.
Responding to customer needs by cutting edge technology… That is our mission as an FA total supplier.




Magnetic Contactor and Starters P.750
Low-voltage Circuit Breaker P.594
Energy Saving Support Devices P.818
Inverter P.386
1
Press
2
Welding
3
Coating
Power Management Measuring Devices P.808

3-year warranty

To increase peace of mind, we've begun offering a 3-year warranty.

[Applicable models] Programmable Controller /Indicator

Programmable Controller MELSEC Series

- Q Series
- QnU Series
- L Series
- AnS Series
- QnAS Series

Micro Programmable Controller MELSEC-FX Series

Motion Controller

- Q Series
- Q Series (iQ Platform compatible)

Indicator

- GOT2000 Series
- GOT1000 Series

*Our complimentary product warranty is valid for 3 years after the date of customer purchase or the date of delivery to your designated location (within 42 months of manufacturing and with up to a six month circulation period after shipping from our manufacturer).
Additionally, the coverage of this guarantee will be determined by our regulations.

FA Equipment Mobile Showroom

The latest equipment for our customers

The Mobile Showroom equips our latest line-up of Mitsubishi FA equipment, and is galloping across the entire country to introduce our products to customers.
Even without our customers coming to meet us or securing a meeting room, we can quickly hold an exhibition in a single corner of a customer's parking lot. By all means, if you are interested, please let us know.
We are available anywhere throughout the country.

India

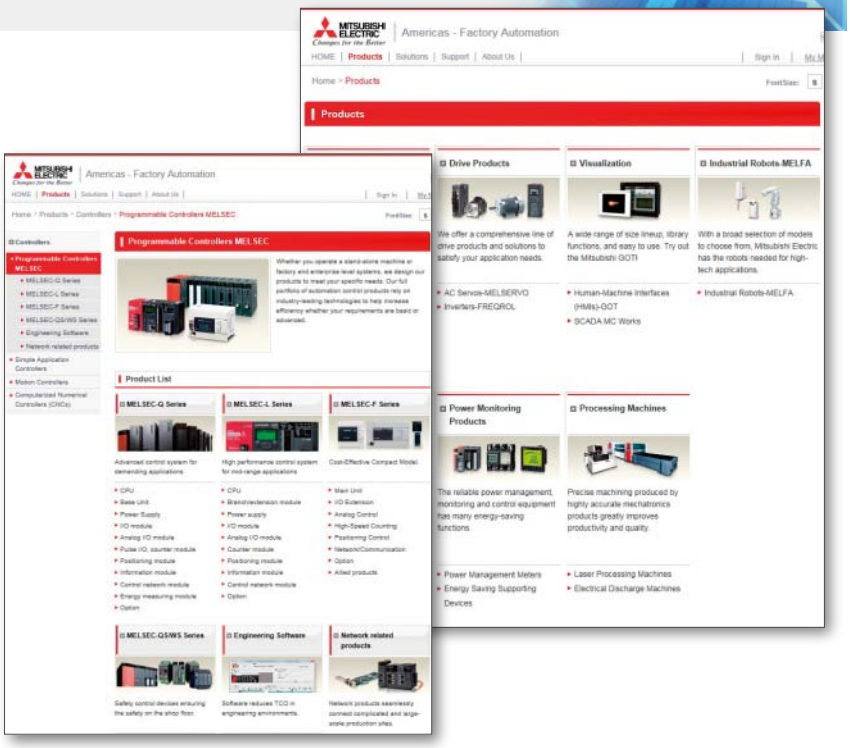
Thailand

Japan

WEB

Easier to see, easier to use, and easier to understand!

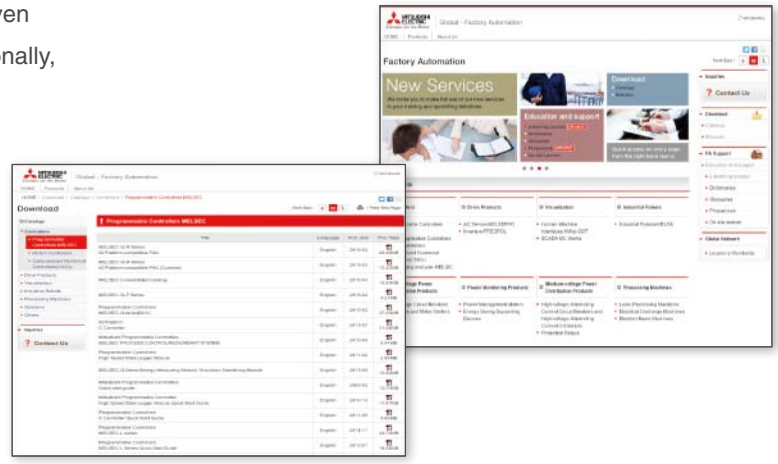
In addition to our Mitsubishi electrical products we provide a variety of useful information regarding partner company's products and services, and now each of our services is even easier to use.



Download

Refine conditions for a significant power-up in search functions

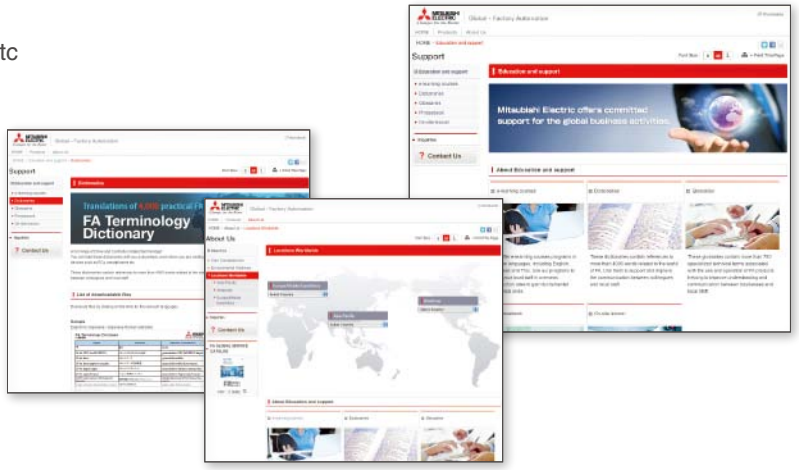
Our downloadable catalogs and manuals, etc. are made even easier to use with the refining and search functions. Additionally, you can quickly download even large amounts of data.



Overseas Expansion

Global business support

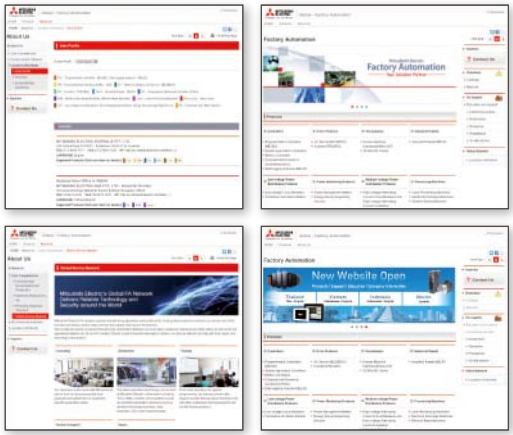
In addition to support sites and Japanese language contacts in all over the world, phrase books, glossaries, etc are available in every language.



Global

Throughout the world, Mitsubishi Electric FA Information can be easily accessed.

From the “Worldwide” link on the upper right of the page, you can easily access the global FA site.
On the global page, in addition to products that can be purchased globally, you can also check-out various regional services, such as regional product information and international language catalogs and manuals. By all means, please make use of these services when expanding your business overseas.



FA e-Learning

Learn at your own pace whenever and wherever.

In the office, out of the office, or in your own home — You can attend the Mitsubishi FA Equipment Usage e-Learning sessions for free from anywhere.

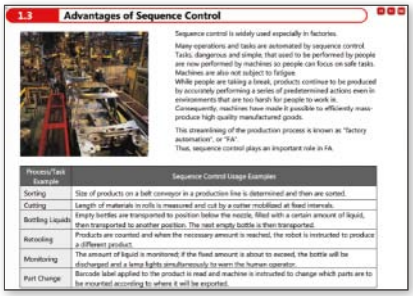
■Tools related to overseas e-Learning

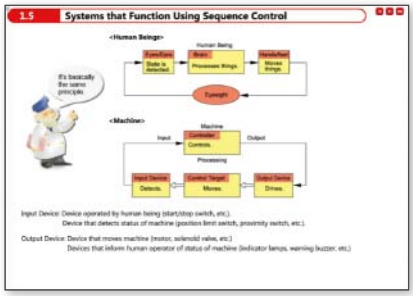
Overseas e-Learning related tools are available for overseas staff to use.

Languages: English, Chinese, Korean, Thai, Indonesian, Vietnamese, Malay, Portuguese (South American), Spanish (Central and South American), Turkish, Hindi.

http://www.MitsubishiElectric.co.jp/fa/glosup/e-learning/index.html

e-Learning





1

All courses are free

2

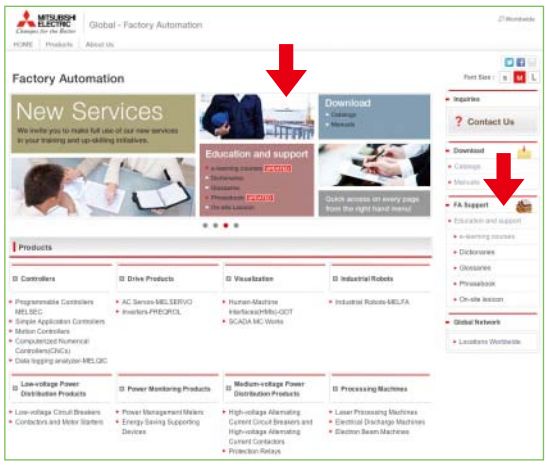
Flexible learning at your own pace, whenever and wherever.

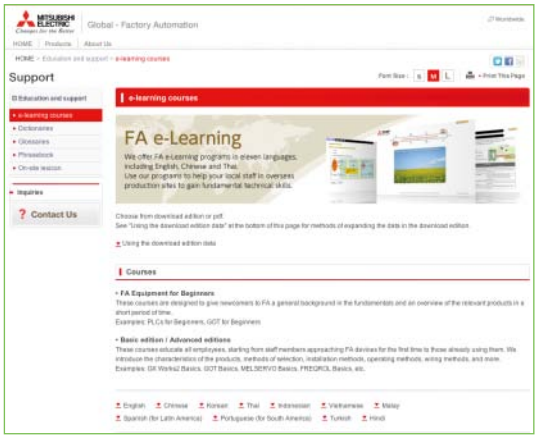
- You can learn without time or location limitations.
- You can repeat lessons as needed.
- You can quickly and easily check your student status.

3

Effective multi-media learning

- Deepen your understanding with animations and videos.
- Operate programming software simulations





●Access directly from the following URL.
http://www.mitsubishielectric.com/fa/assist/e-learning/index.html

We would like to improve the productivity and quality without changing the existing equipment.

We cannot afford large cost required for new equipment or modifying the existing equipment.

We would like to save energy, and be environmentally friendly.

We do not have enough workers engaged in examination for improvements and migration.

We would like to acquire and analyze data quickly.

We would like to preventive maintenance.

Equipment System Migration in 3 Steps

Mitsubishi Electric will propose a variety of products and functions based on various keywords to eliminate concerns of customers.

Step 1 [Stable operation] [Extension of equipment service life] [Preventive maintenance]

- Selecting the proper latest model
- Downsizing and space saving
- Replacing existing products manufactured by other companies with Mitsubishi products
- Improving the maintainability
- Utilizing the software assets and resources
- Improving the operability
- Step-by-step migration
- Preventive maintenance realized by migration

Control equipment

Not only various functions, high speed, large capacity and extensive networking but also top class reliability are proved by long-term actual achievements.

Mitsubishi PLCs

MELSEC Q series

MELSEC L series

Mitsubishi micro PLCs

MELSEC-F

FX3 series

Mitsubishi graphic operation terminals

GOT2000

Graphic Operation Terminal

Step 2 [Productivity improvement]

- High-speed, high-accuracy control
- Smart wiring
- High-speed, large-capacity communication
- Networking

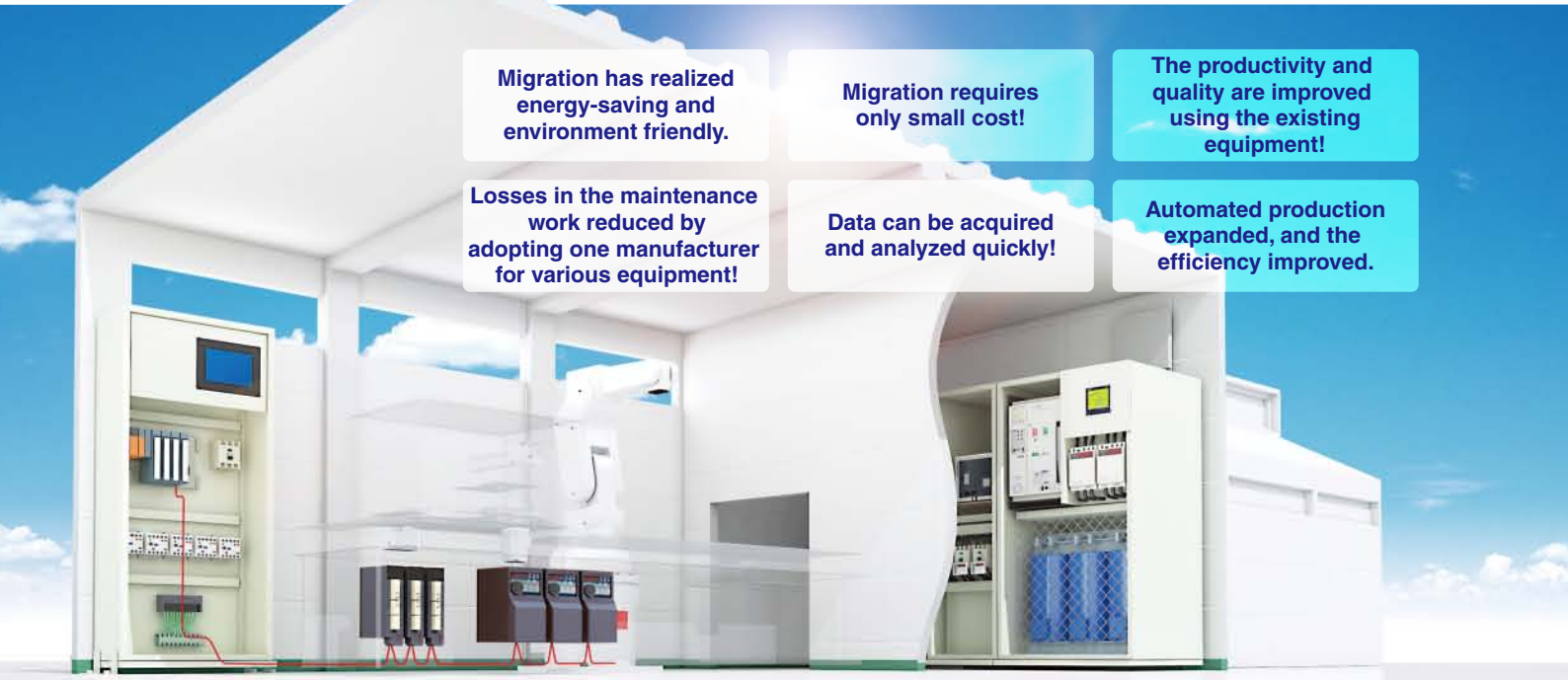
Drive equipment

Mitsubishi inverters

FREQROL

Mitsubishi AC servos

MELSERVO


Migration has realized energy-saving and environment friendly.
Migration requires only small cost!
The productivity and quality are improved using the existing equipment!
Losses in the maintenance work reduced by adopting one manufacturer for various equipment!
Data can be acquired and analyzed quickly!
Automated production expanded, and the efficiency improved.

Preventive maintenance and product life

Preventive maintenance of equipment and devices is required to use FA equipment for a long time.

There are two concepts of preventive maintenance.

Daily maintenance and inspection (Visual inspection)
- Indicator lamps (in the equipment main body, devices and units)
- Equipment mounting status
- Cable connection status

Periodic maintenance and inspection (Visual inspection)
- Maintenance of electrical equipment
- Ambient environment
- Checking stored programs

Product life

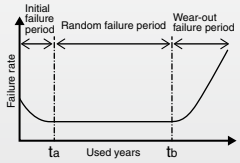
Service life 10 years

Overhaul maintenance 5 years

- Mitsubishi Electric recommends 10 years as the service life of FA equipment.

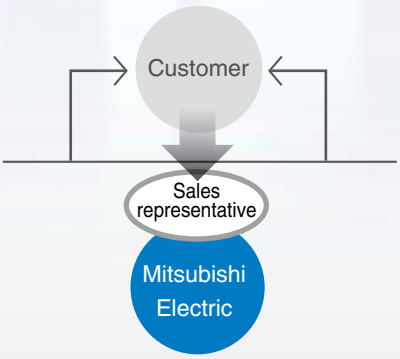
Replacing a unit whose service life is expired

Even if a unit is operating normally, the failure rate is high because each part is worn out and damages (related to the power ON time, surge, etc.) are accumulated.



- Mitsubishi Electric recommends overhaul maintenance of FA equipment in 5 years since the start of operation.
  - Maintenance of units (to prevent short-circuit by removing dust and adhering substances)
  - Replacement of parts requiring periodic replacement (such as fuses, batteries and memory cards)
  - Overhaul of units incorporating parts having limited service life*

*Aluminum electrolytic capacitors, fuses, relays, etc.



Mitsubishi Electric will support migration of equipment for the customer in cooperation with the sales representative.

[Quality improvement] [Promotion of energy saving]

- Standardizing the maintenance tool
- Utilizing the GOT
- Quick recovery from machine alarms
- Supporting and implementing energy saving

Mitsubishi Electric's motor control technology is advancing everyday. Mitsubishi drive equipment contribute to the realization of not only high functions and high performance but also energy saving.

Mitsubishi industrial robots

MELFA

Step 3

[Visualization] [Automation] [Safety and security measures]

- Acquiring, judging and analyzing data
- Image recognition inspection
- Automating inspections and judgments
- Safety control equipment
- Automation and labor saving by robots
- Duplicating the CPU
- Constructing the MES (manufacturing execution system)

Distribution control equipment

Mitsubishi Electric supports stable supply of electric power with its wide variety of products in the distribution control field, and proposes aggressive energy saving achieved by migration.

Mitsubishi low-voltage distribution control equipment

World Super WS-V Series

SS Super-S Series

Mitsubishi PLCs

How is the current status of the existing PLC?

Mitsubishi PLCs

MELSEC-A (large type) Discontinued September 2008

MELSEC-A (small type) Discontinued September 2014

A/QnA (large type), A2C, AnS (small type), AOJ2(H)

[Concerns about the existing equipment]

The equipment is working fine, but is getting old.

We would like to upgrade but the performance has reached the limit.

Components from different brands are installed in the equipment which is making maintenance troublesome.

[Concerns for migrating]

Need to keep the equipment running.

Don't know to which product to migrate to.

Can't read out the existing programs.

Mitsubishi Electric can eliminate these concerns!

Mitsubishi Electric offers various tools for replacement with latest models.

Mitsubishi Electric

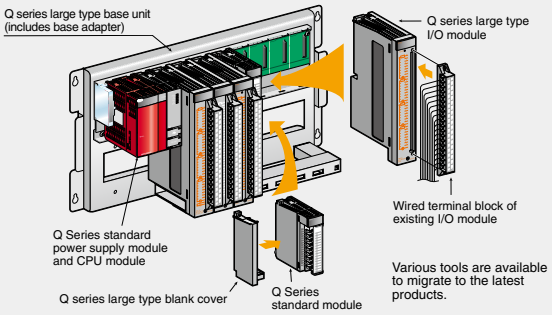
A to Q migration catalogs and case examples

- MELSEC-A Series (large type) Transition Guide
- MELSEC A Series (small type) Transition Guide
- MELSEC-A Series Transition Examples

For example

A to Q hardware replacement!

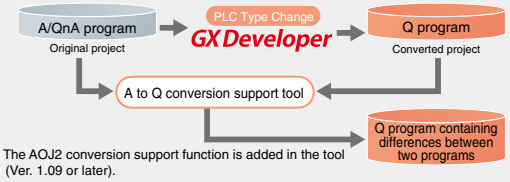
The hardware can be replaced without changing the size and location.


Q series large type base unit (includes base adapter)
Q series large type I/O module
Wired terminal block of existing I/O module
Q Series standard power supply module and CPU module
Q series large type blank cover
Q Series standard module
Various tools are available to migrate to the latest products.

For example

A to Q program replacement!

Existing programs can be automatically converrted into Q programs using "PLC Type Change" in GX Developer (also included with GX Works2).
By converting both an existing program and a converted program into "Q program containing differences between two programs" using the A to Q conversion support tool (which can be downloaded free of charge), the correction efficiency is considerably improved.



* The AOJ2 conversion support function is added in the tool (Ver. 1.09 or later).

Migrate to the latest Mitsubishi PLCs!!

Mitsubishi supports migration with various tools and accumulated know-how.

Partner manufacturers

A to Q migration tool catalogs

●Renewal tool catalogs

Mitsubishi Electric Engineering Co., Ltd.

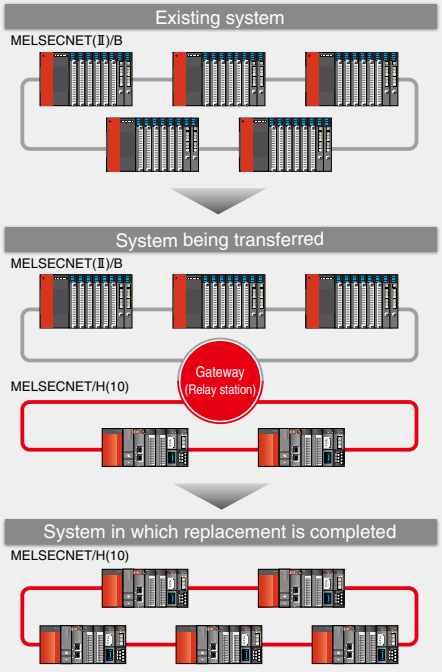
Mitsubishi Electric System & Service Co., Ltd.

Tools to easily migrate from A series to Q series available.

For example

Network replacement!

Mitsubishi data link system “MELSECNET” can be replaced in various methods.



MELSEC Q series

►P.34

MELSEC L series

►P.68

[Benefits of migration]

- 3 year warranty!
- Easy connection with multiple communication ports!
- High speed and large capacity CPU!
- Improve efficiency with various convenient instructions!
- Abundant lineup enables selection of product suitable for the required specifications.
- The control panel can be downsized.
- Enhanced program security function!

Mitsubishi Micro PLCs

How is the current status of the existing PLC?

Mitsubishi micro PLCs

FX1S/FX1N/FX1NC To be discontinued December 2015

FX2N/FX2NC Discontinued September 2012

F1, F1J, F2, FX1, FX2, FX2C, FX0, FX0S, FX0N, FX1S, FX1N, FX1NC, FX2N, FX2NC

[Concerns about the existing equipment]

- The equipment is working fine, but is getting old.
- We would like to upgrade but the performance has reached the limit.
- Components from different brands are installed in the equipment which is making maintenance troublesome.

[Concerns for migrating]

- Need to keep the equipment running.
- Don't know to which product to migrate to.
- Can't read out the existing programs.

Mitsubishi Electric can eliminate these concerns!

Mitsubishi Electric offers various tools for replacement with latest models.

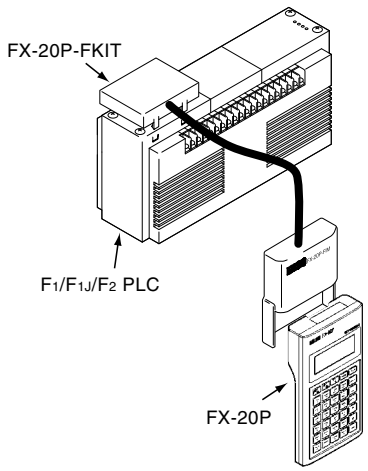
Migration catalog

●FX Migration Guide

For example

F (F1, F1J, F2) series replacement!

The combination "FX-20P + FX-20P-FKIT" is available.



The F (F1, F1J, F2) series can be replaced by the FX series while reading out existing programs using the combination "FX-20P + FX-20P-FKIT".
After existing programs are transferred to the FX series, they can be corrected and debugged using GX Works2.

FX-20P Discontinued December 2012

* Contact your local dealer.

Migrate to the latest Mitsubishi PLCs!!

Micro PLCs are downsized compared to legacy models, and can fit into the existing space. Programs can be replaced with FX-20P-FKIT for F series or with GX Works2 for FX series.

►P.82

Mitsubishi micro PLCs

MELSEC-F FX3 series

●Migration Guide from FX2N/FX2NC to FX3

●Migration Guide from FX1N/FX1NC to FX3

For example

Legacy FX series replacement!

Legacy FX series program can be transferred to the latest product by using PC type change function of GX Works2.

Programming software

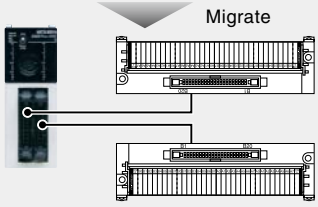
GX Works2

For example

Replacing wiring!

Legacy MELSEC-F product

In case the product size is large and the wiring is short



Large size legacy product can be replaced easily with connector type FX series PLC and terminal block product of partner vendors.
(Connector type requires 24 V DC power supply)

[Benefits of migration]

- 3 year warranty!
- Easy connection with multiple communication ports!
- Expansion boards enable expansion at low cost!
- Convenient built-in functions enable system configuration at low cost!
- Abundant lineup enables selection of product suitable for the required specifications.
- Improve efficiency with various convenient instructions!
- Enhanced program security function!
- High-function and compact extension modules are available!

Mitsubishi graphic operation terminals

How is the current status of the existing GOT?

Mitsubishi graphic operation terminals

GOT-A900 series

GOT-A900 Discontinued March 2009

GOT-F900 series

GOT-F900 Discontinued March 2011

[Concerns about the existing equipment]

- The product is getting old and is not well maintained.
- Screen datas are not backed up.
- Components from different brands are installed in the equipment which is making maintenance troublesome.

[Concerns for migrating]

- Do we have to drill holes to replace?
- Can the screen data be replaced?
- Can we replace other brand HMI with GOT1000 or GOT2000 series products?

Mitsubishi Electric can eliminate these concerns!

Mitsubishi Electric offers various tools for replacement with latest models.

Migration documents

- Technical Bulletin for replacement of GOT-A900 with GOT1000

- Technical Bulletin for replacement of GOT-1000 with GOT2000

For example

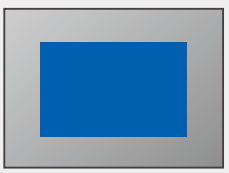
Migration tool

Optional attachment is available for replacing GOT-900 to GOT1000 series with different screen size.

For example

Replacing of a Mitsubishi legacy product or other brand HMI!

Screen data created in the GOT-A800 series SW3NIW-A8GOTP



Screen data created in the GP-PRO/PB-III series manufactured by Digital Electronics Corporation

Migrate to the latest Mitsubishi Graphic Operation Terminals!!

GOT series has same panel-cut dimensions when the screen size is the same. Screen data can easily be replaced using GT Works3. GOT with the latest functions can reduce loads on the PLC, and can back up data.

Documents for migrating GOT-F900 series

●GOT-F900 Migration Guide ●Replacement Guide

For example **GT Works3 +plus**

comes with the following software to convert screen data from GOT-900 series to GOT1000, GOT2000 series.

GT Designer2 classic

GT Designer3

GT Works3 comes with GT Converter2 to convert screen data of legacy models and other brand HMI to GOT1000/GOT2000 series.

Screen design software

GT Works3
GT Works3 +plus
GT Convertor2

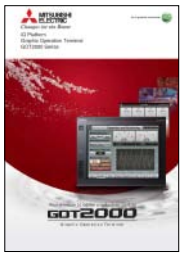
Mitsubishi Graphic Operation Terminals

GOT2000 series
GOT1000 series

Mitsubishi Graphic Operation Terminals

GOT2000

Graphic Operation Terminal



►P.578

Mitsubishi Graphic Operation Terminals

GRAPHIC OPERATION TERMINAL

GOT1000

►P.590

[Benefits of migration]

- 3 year warranty!
- Front side USB port enables easy maintenance*

* Excluding some models

- Can be connected to various networks!
- Easy connection with multiple communication ports!
- Decentralize control to GOT to assure stable operation!
- Improves visibility with brilliant color LCD!
- Abundant lineup enables selection of product suitable for the required specifications.
- Logging function to improve quality!

Mitsubishi inverters

How is the current status of the existing inverter?

Mitsubishi inverters

A700

A500

F500

E500

S500

[Concerns about the existing equipment]

Replacement of service life limited components may be needed soon.

Need to manage and control many units.

Need to improve energy efficiency.

[Concerns for migrating]

Are there compatible products to the existing obsolete products?

How can we replace the parameters?

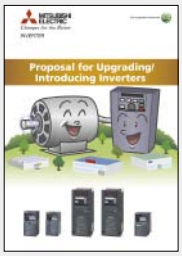
We are using coil type motor, eddy current joint type motor (AS), direct current (DC) motor, and have difficulty in daily and preventive maintenances.

Mitsubishi Electric can eliminate these concerns!

Mitsubishi Electric offers various tools for replacement with latest models.

Migration documents

- Inverter migration proposal



For example

Convenient compatibility

- Parameters can be converted easily using the convert function of “FR Configurator2” (optional) parameter setting software.

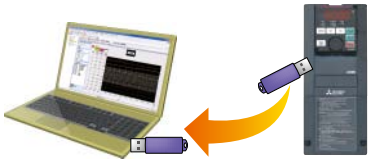
* Supports conversion from A500 to A800.

- The mounting compatibility with conventional models is secured.
- Mitsubishi Electric offers the (optional) mounting compatibility attachment though the compatibility may be different in some models.

Advantages of migration to the 800 series

- In the FR-A800 and F800 series, the trace function can store the operation status (such as the output frequency) just before activation of the protection function in the RAM built in the inverter. The stored data (trace data) can be copied to the USB memory. Troubleshooting can be performed easily even in distant places when the trace data is captured by the software (FR Configurator2) set up in the inverter.

The trace data stored in the built-in RAM is erased when the power is turned OFF or the inverter is reset.



Migrate to the latest Mitsubishi inverters!!

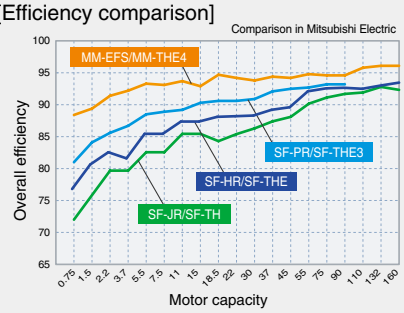
Abundant tools and documents to support migration are available.
Parameters can be converted easily using FR Configurator2.
Mitsubishi inverters with the latest functions considerably improves energy saving and ease of maintenance!

Energy saving

Replace with high-efficiency IPM motor (MM-EFS series)

- The FREQROL-F800 series is compatible with the IPM motor.
- Replacement is easy due to frame number being the same as that of the standard three-phase motor.

[Efficiency comparison]



- IPM motor with permanent magnet is more efficient than the high-performance energy-saving motors.
- Efficiency level meets "IE4 (super premium efficiency)" of international standard IEC 60034-30. (As of March 2013)

Improved ease of maintenance

Latest series use long service-life components and most advanced life diagnosis which improves ease of maintenance.

- Approximate life of limited service life components

Part name	Approximate service life	Service life specified by JEMA
Cooling fan	10 years	2 to 3 years
Capacitor for smoothing main circuit	10 years	5 years
Smoothing capacitor on PC Board	10 years	5 years

- Deterioration degree of main circuit capacitors, control circuit capacitors and rush current suppression circuits can be monitored.
- Self-diagnosis function sounds alarm for components having limited service life to prevent failures.

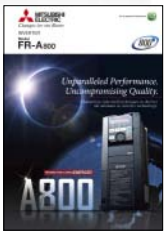
**It is economical to use Mitsubishi inverters for drive when Mitsubishi PLCs are used for control.
CC-Link and RS-485 communication enable precise control of multiple inverters.**

A800 ►P.386

F800 ►P.425

E700 ►P.447

D700 ►P.486



[Benefits of migration]

- Improved ease of maintenance with long service life components.
- Easy control with abundant network connections!
- Life diagnosis function notifies remaining service life of components!
- "Close contact" installation design saves installation space (E700 and D700).
- Easy operation with M dial
- Easy wiring (A800, F800 E700SC and D700).
- Abundant lineup enables selection of product suitable for the required specifications!
- Parameters can be copied using the USB memory (A800 and F800).
- The magnet motor is also available (A800 and F800).
- Easy replacement of cooling fan

Mitsubishi industrial robots

How is the current status of the existing robot?

Mitsubishi industrial robots

P series
EN series

M series
A series

E series
S series

[Concerns about the existing equipment]

Want to improve productivity of the equipment.

Maintenance is hard due to increased failures.

Want to visualize all standalone robots.

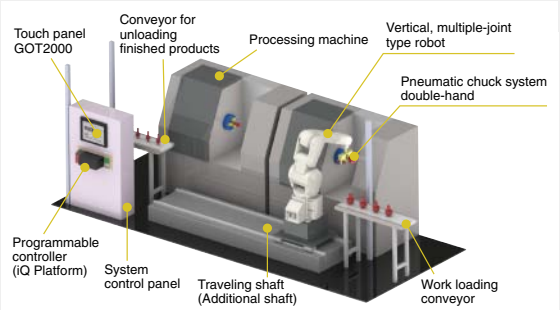
Mitsubishi Electric can eliminate these concerns!

It contributes to productivity, the improvement in reliability, and total cost reduction.

For example

Loading/Unloading of parts to a processing machine

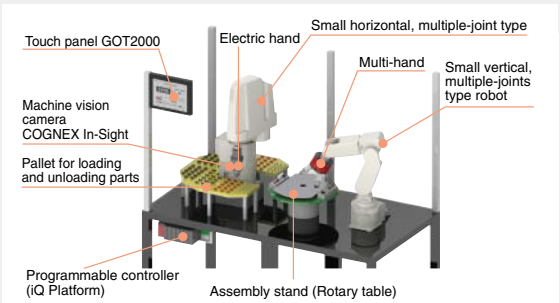
(A lathe, a machining center, a press machine, and a make-up machine, etc.)



For example

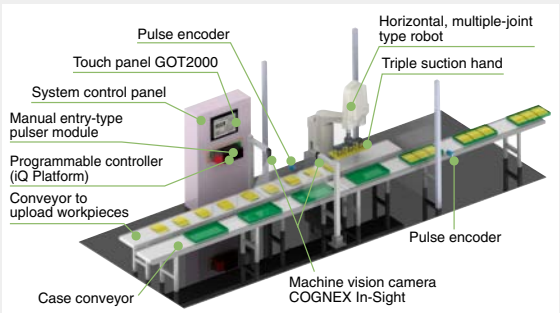
Assembly of electric components

(switch)

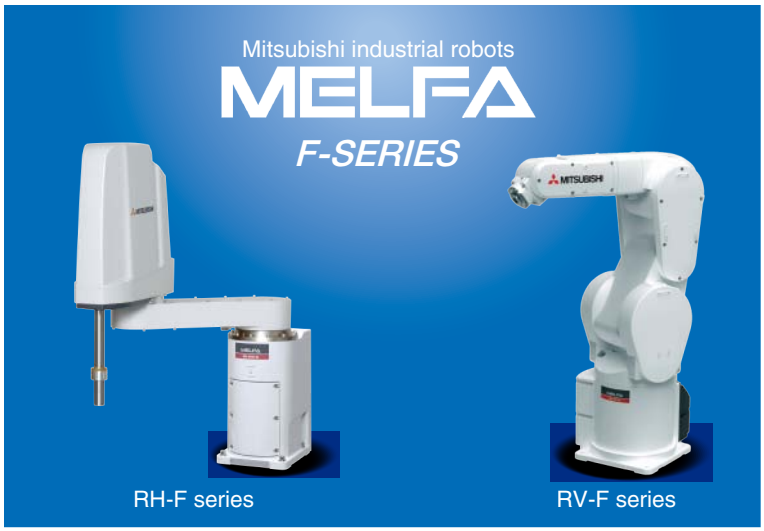


For example

Conveyor alignment for packed food products



Migrate to the latest Mitsubishi robots!!



Points for the employment of robots

A vertical, multiple-joint type robot realizes high-speed loading and unloading of parts to a processing machine. (Oil mist proof) Additional traveling shaft improves the operating rate of a robot and efficiently utilizes the facility.

Advantages

- Improvement of environmental resistance
- Smooth hand-over of products with various processing machines
- Higher operating rate of robot
- Shorter cycle time

Points for the employment of robots

High-speed parts kitting with a horizontal, multiple-joint type robot, fine assembly with a vertical, multiple-joint type robot, and the ability to handle a variety of workpieces with a high-functioning hand (a multi-hand and an electric hand)

Advantages

- High-speed kitting
- Capable of handling a wide variety of workpieces using only a small space
- No need to change hands to switch a kind of work
- Complicated assembly process
- Reduction of cycle time

Points for the employment of robots

High-speed vision-tracking of horizontal, multiple-joint type robot realizes non-stopping alignment process. It also processes simultaneous tracking for multiple conveyors.

Advantages

- High-speed tracking
- No need of alignment device
- Reduction of cycle time
- Stable quality due to automated process

iQ Platform

SQ series supports iQ Platform and enables higher speed control.

[Benefits of migration]

- High-speed control improves tact time!
- Robot CPU in iQ Platform saves wiring
- Multiple robots can be controlled together.
- Robot can be controlled using PLC language!
- Downsized robot saves installation space.
- Improved operability with easy connection of GOT

Mitsubishi AC servos

How is the current status of the existing AC servo?

Mitsubishi AC servos

MR-A, MR-J, MR-J2, MR-J2S, MR-H, MR-SA/SB/SC/SD, MR-SO, MR-VA/VC

[Concerns about the existing equipment]

- AC servos is not tuned correctly and generates large noise.
- Takes time to complete positioning.
- Motor seems to be okay but the amplifier is a concern.

[Concerns for migrating]

- Are there compatible products to the existing obsolete products?
- Can the hardware be replaced easily?
- How can we replace the parameters?

Mitsubishi Electric can eliminate these concerns!

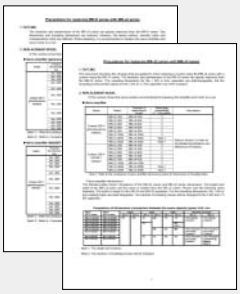
Various tools are available to migrate to the latest products.

Mitsubishi Electric

Replacement support documents

- MR-J2-Super series migration catalog

- Cautions on replacement of the MR-J/MR-H series



- Migration Guide from MR-J2 Super/J2M series to MR-J4 series

- New Product Newsletter for MR-J2S-B SSCNET conversion unit

MR-J4-B is recommended for replacing legacy Mitsubishi products and other manufacturers products.

- **SSCNET III/H enables a simple system with less wiring.**
- **MR Configurator2 enables easy adjustment, monitor display, parameter setting, etc.**

Migrate to the latest Mitsubishi AC servos!!

Abundant tools to support easy migration are available.
In multi-axis control, combining the motion controller contributes to function upgrade and space saving!

►P.226

Partner manufacturer

●Migratoin tools available from Mitsubishi Electric System & Service Co. Ltd.

For replacing MR-J series

For replacing MR-J2S series

For replacing MR-H series

For replacing MR-SA series

For example

In case of MR-H series

Servo can be replaced with MR-J3A type using the migration tool.

MELSERVO

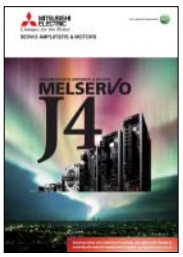
MR-J3 series

0.05kW to 55kW

MITSUBISHI SERVO AMPLIFIERS & MOTORS

MELSERVO-J4

0.05kW to 22kW



[Benefits of migration]

- Easy servo adjustment to fit the equipment!
- Easy wiring with SSCNET III/H or SSCNET III.
- High-response control improves cycle time!
- Easy setting of electronic gear.
- Smooth operation due to reduced cogging torque
- Easy tuning function
- Abundant lineup enables selection of product suitable for the required specifications!
- Space saving design allows close contact installation

Recommended for multi-axis control of AC servo!

Q motion controller

Mitsubishi low-voltage distribution control equipment

How is the current status of the existing low-voltage distribution control equipment?

Low-voltage circuit breakers

No-fuse circuit breaker
NF225-SS series

No-fuse circuit breaker
NF2000 series

- Need to replace the breaker because the current capacity has changed.
- Concerned about aging products malfunctioning.
- Need to replace the large obsolete products to save space.

Electromagnetic switches

Electromagnetic contactors
MS-K series

- Concerned about aging products malfunctioning.
- Want to save space by migrating to the latest products.

Power management measuring unit

Mechanical measuring unit

- Analog measurement is not accurate enough.
- Concerned about aging products malfunctioning.
- Need to reduce measuring work.

Mitsubishi Electric can eliminate these concerns!

Migrate to the latest Mitsubishi low-voltage distribution control equipment!!

No-fuse circuit breakers

Low-voltage air circuit breakers

Downsized products allows panel space saving.
Functions can be upgraded just by replacing.
Can prevent unnecessary operations of the earth-leakage circuit breaker by high function IC.

Electromagnetic contactors
MS-T series

Terminal cover installed for added safety.
Downsized products allows panel space saving.

Electronic multi-measuring instruments
ME96SS series

Electronic measurement allows measurement of more accurate data.
LCD improves visibility.
Easy data collection with communication function.
Various options allow easy setting change (electronic multi-measuing instrument).

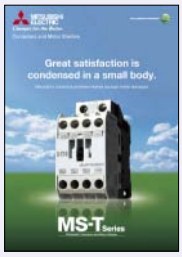
Product catalogs

●Mitsubishi WS-V Series Molded Case Circuit Breakers and Earth-leakage Circuit Breakers

●Mitsubishi WS-AE Series Low Voltage Air Circuit Breakers

Product catalogs

●Mitsubishi MS-T Series Electromagnetic switches



Product catalogs

●Mitsubishi Super-S Series Electronic Multi-measuring Instrument ME96SS

Migrations by Mitsubishi Electric

Mitsubishi Electric offers following migration

Energy measuring unit EcoMonitorLight	MDU breaker*	No-fuse circuit breaker/ earth-leakage circuit breaker equipped with leakage current indication*
Single-circuit measuring unit, display unit, and setting unit integrated into a single measuring unit. Allows easy and low cost energy "visualization". Built-in MODBUS communication allows system upgrade.	In addition to circuit breaker function, this product continuously monitors the electric circuit information (power amount, load current, leakage current, etc.) and enables centralized monitoring through communication.	These products monitors leakage current data and investigate causes of electric leakage.

* These equipment are not sold in the USA.

Mitsubishi FA products can "visualize" power management equipment and of production equipment.

Directly connected to Q series PLC.

Electric power measuring unit [QE84WH]
PLC measures power information up to 4 channels which enables standard data control and state monitoring in each production equipment.

Insulation monitoring unit [QE821LG]
PLC continuously monitors the insulation status and supports preventive maintenance of the production equipment.

[Benefits of migration]

Low-voltage circuit breakers

- Downsized to save panel space.
- New circuit breaking technology allows higher performance.
- Electric circuit information monitoring with MDU breakers, etc. helps preventive maintenance.

Electromagnetic switches

- Safe and easy wiring with CAN terminal.
- Detachable arc cover makes inspection easy.
- Save energy with low power consumption coil.

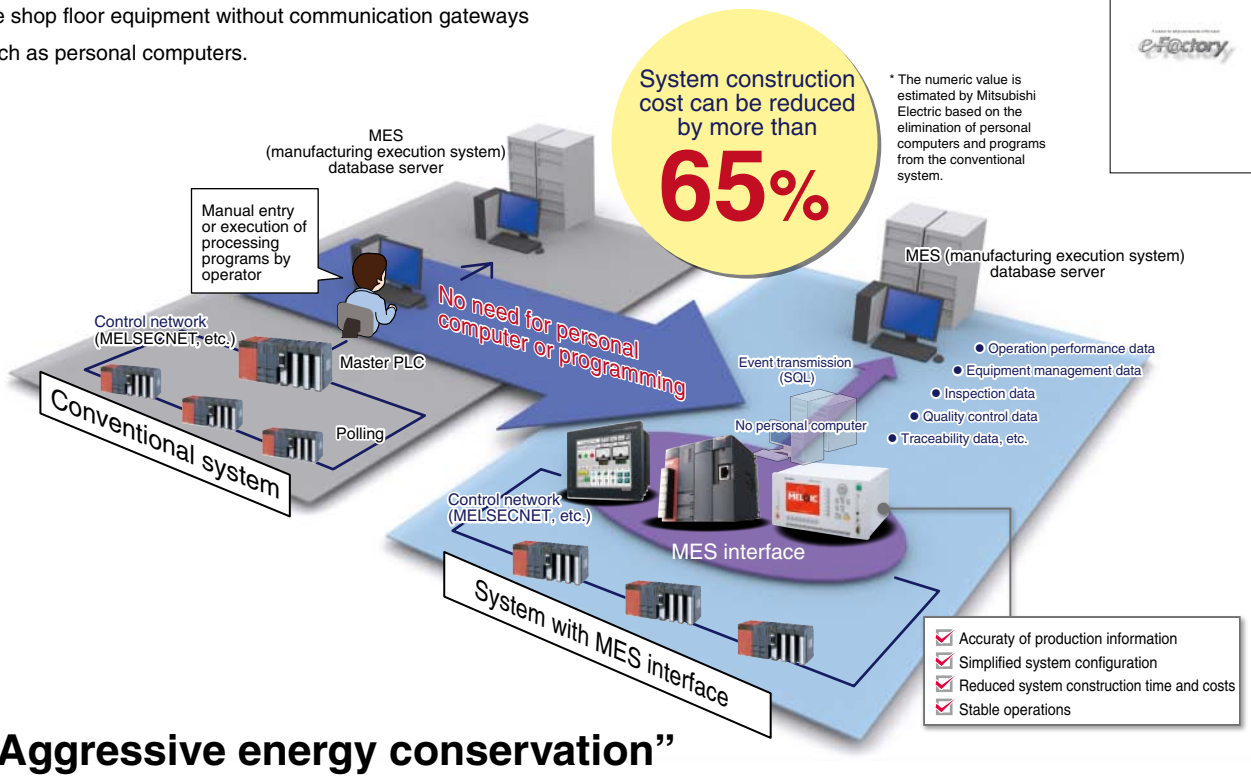
Electronic multi-measuring instrument

- Wide viewing angle LCD improves visibility.
- Set data transceiver allows easy setting and management.

The production capability of your factory

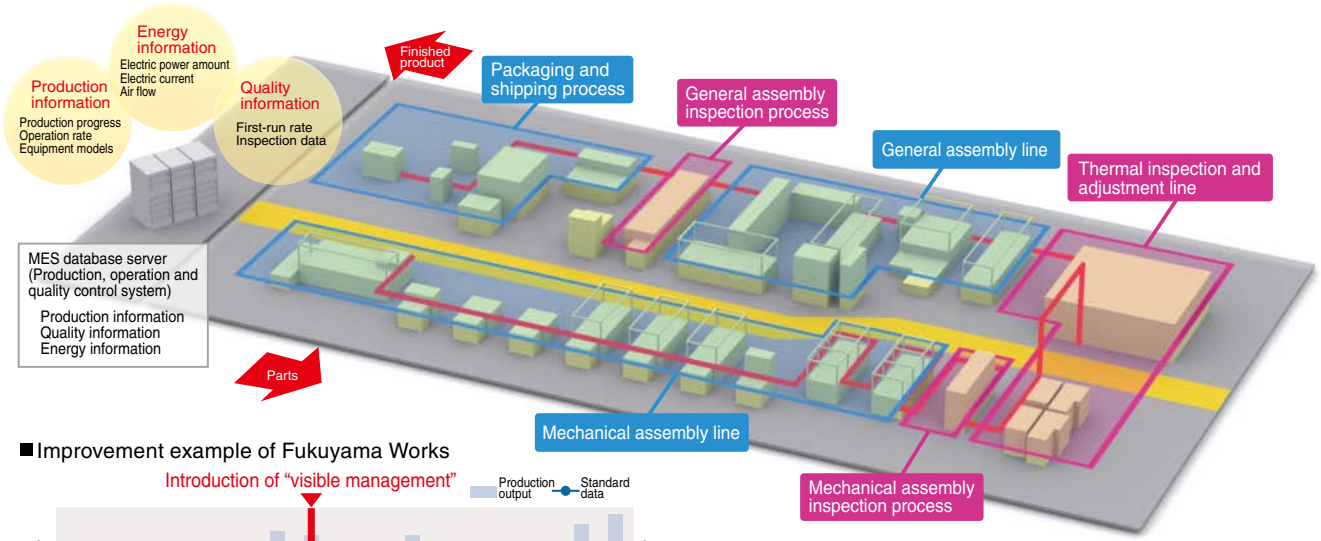
The MES interface is the key to realize the visual platform “e-F@ctory”.
A broad lineup of MES interface products of Mitsubishi Electric enables direct connection between the MES (manufacturing execution system) database and the shop floor equipment without communication gateways such as personal computers.

●Mitsubishi FA Integrated Solution
e-F@ctory

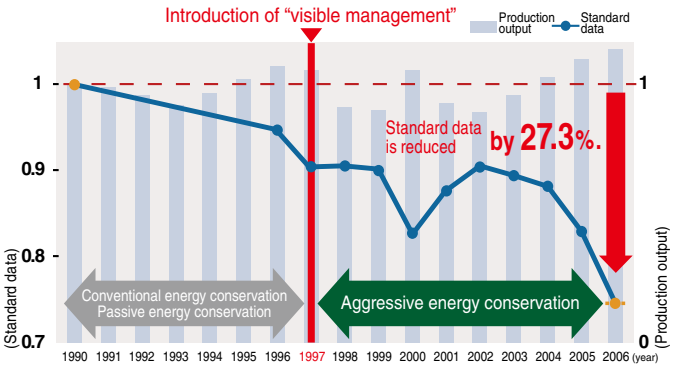

System construction cost can be reduced by more than 65%
* The numeric value is estimated by Mitsubishi Electric based on the elimination of personal computers and programs from the conventional system.
MES (manufacturing execution system) database server
Manual entry or execution of processing programs by operator
Control network (MELSECNET, etc.)
Master PLC
Polling
Conventional system
No need for personal computer or programming
MES (manufacturing execution system) database server
Event transmission (SQL)
No personal computer
● Operation performance data
● Equipment management data
● Inspection data
● Quality control data
● Traceability data, etc.
Control network (MELSECNET, etc.)
MES interface
System with MES interface
Accuracy of production information
Simplified system configuration
Reduced system construction time and costs
Stable operations

“Aggressive energy conservation”

Mitsubishi Electric’s Fukuyama Works adopted “visible management”, and is now implement “aggressive energy conservation” efforts. Fukuyama Works has realized an economical and ecological “eco factory”, and uses its eco expertise to engage in the energy conservation business.



■Improvement example of Fukuyama Works



Reduction by
27.3% in standard data
* Performance in 2006 compared to 1990

Reduction of approximately
27.3% million yen in basic power cost
* Performance in 2006 compared to 1990

Reduction of approximately
100 million yen
in basic power cost

* Performance in 2006 compared to 1990

Mitsubishi Electric's simple, convenient and compact EcoWebServerIII is advanced to support visible management of energy.

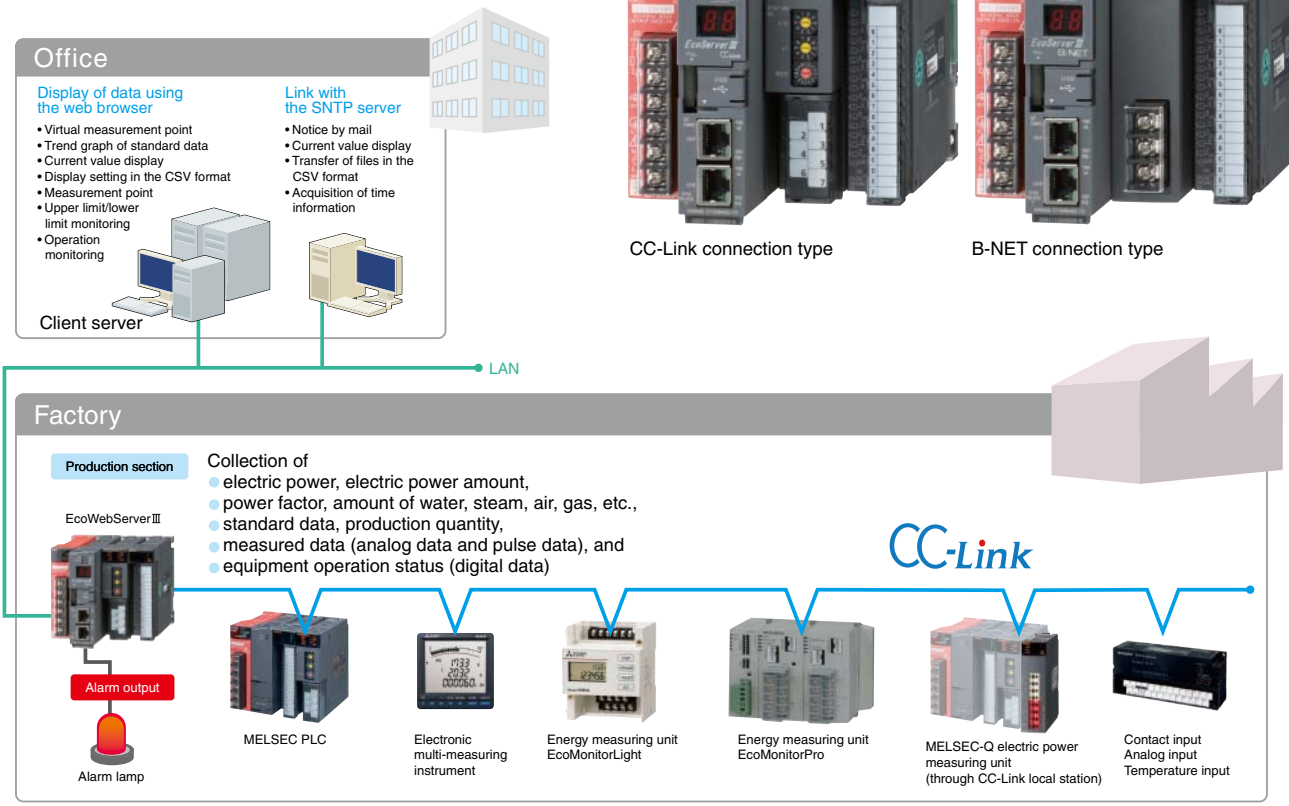
●Mitsubishi Energy-saving Data Collection Server EcoWebServerIII

●What is EcoWebServer?

EcoWebServer is an all-in-one type data collection server having excellent functions essential in energy-saving management of alarm units and machines.

Two types selectable

CC-Link connection type　　B-NET connection type



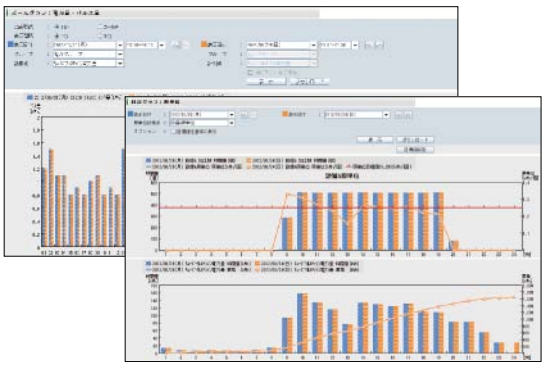
Remain available! Inherited functions

The setting software is provided as an accessory. There is no necessity to create programs.	The newly adopted universal design makes graphs easier to see.	Virtual measurement and production quantity are incorporated in the standard data control.	The measured data are processed and saved easily.
Simple setting Simple extension	**Graph display**	**Calculation function**	**CSV format Compatible with FTP**

Powered up! Improved performance

The daily data saving period has been extended from 2 months to 6 months. Extended saving period	The number of virtual measurement points and standard data measurement points have been increased.	The zoom data collection period has been reduced.
Extended saving period	**Enhanced calculation function**	**1 minute minimum**

Various graph displays are available to construct the "mechanism to let workers be aware" of status changes.



New functions added! Additional functions

Alarm outputs have been enabled to enhance the monitoring function.	The temperature and humidity data are collected for each section and application.	The energy loss in the equipment has been made visible.
Up to 16 contact outputs	**Multiple comparison**	**Equipment monitoring**

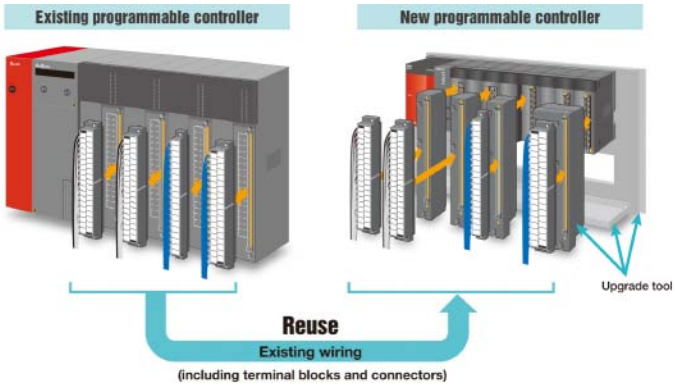
MITSUBISHI ELECTRIC ENGINEERING CO., LTD.

Mitsubishi Electric Engineering Co., Ltd. designs and sells peripheral components of Mitsubishi PLCs including PLC upgrade support equipment, wiring saving equipment and man-hour saving equipment.

PLC migration tools

Mitsubishi Electric Engineering Co., Ltd. offers migration (upgrade) tools for replacing the MELSEC-A series with the MELSEC-Q series and replacing the MELSEC-AnS series with the MELSEC-L/Q series.
The renewal work time and wiring mistakes are considerably reduced by utilizing the existing wiring (including terminal blocks and connectors).

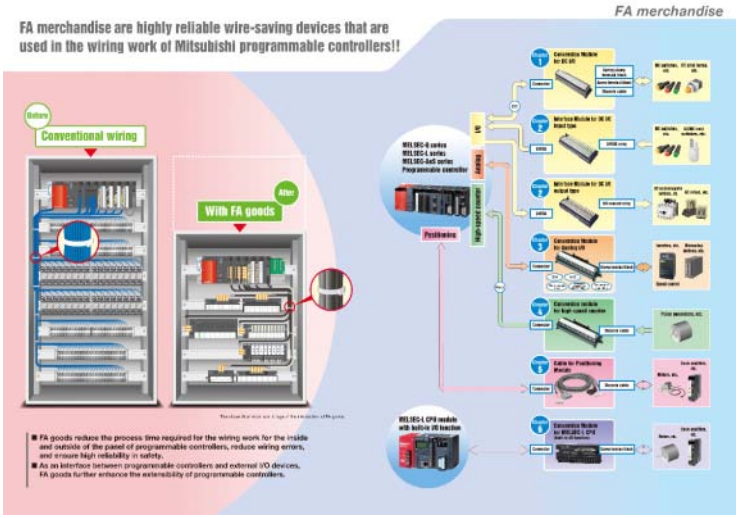
● Catalog



FA peripheral equipment

Wiring saving equipment and man-hour saving equipment support the wiring of the PLCs.
These equipment reduce man-hours for wiring inside and outside the panel and wiring mistakes, and realize safety backed up by high reliability.

● Catalog


FA merchandise
FA merchandise are highly reliable wire-saving devices that are used in the wiring work of Mitsubishi programmable controllers!!
Before
Conventional wiring
After
With FA goods

For the acquisition of Upgrade Tool and FA peripheral equipment, please contact your local Mitsubishi Electric sales office or sales representative.

Mitsubishi Electric System & Service Co., Ltd.

AOJ2 migration tool

This migration tool is used to replace the MELSEC-AOJ2 with the Q series.
It consists of the interface module (to which the wired terminal block of the existing I/O module can be directly mounted), Q series PLC mounting members and connection cables.
Either of three types of installation methods can be selected in accordance with the installation space.
This migration tool utilizes the existing wiring to reduce wiring mistakes and work time.

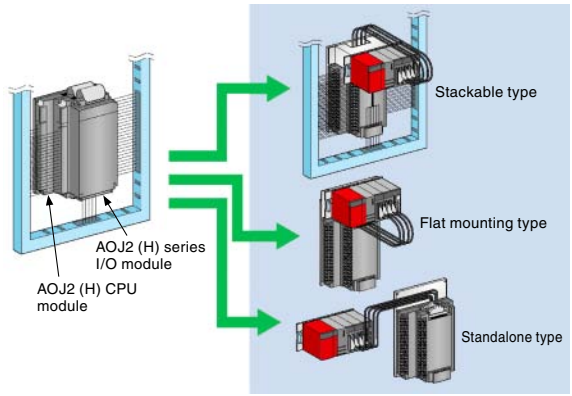
● Catalog

AC servo migration tool

This migration tool is used to replace the MR-J2Super series with the MR-J4 series.
Because the existing mounting dimensions and cables are compatible, replacement can be performed in a short time.
This migration tool is available also for step-by step migration consisting of primary replacement (in which only the amplifier is replaced) and secondary replacement (in which the motor is replaced).
It utilizes your assets effectively.

● Catalog

Before replacement **After replacement**



FA integrated network cables

Mitsubishi Electric System & Service Co., Ltd. offers various network cables and wiring equipment for the controller network “CC-Link IE Control”, field network “CC-Link IE Field” and motion network “SSCNET III/H” to correspond with various applications.

CC-Link IE Control

Optical fiber cable for controller network “CC-Link IE Control”

CC-Link IE Field

Ethernet cable for field network “CC-Link IE Field”

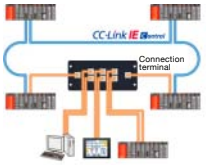
SSCNET III/H
SERVO SYSTEM CONTROLLER NETWORK

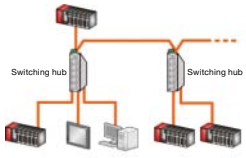
Optical fiber cable for motion network “SSCNET III/H”

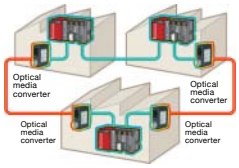
Connection terminal for controller network “CC-Link IE Control”

Industrial switching hub for field network “CC-Link IE Field”

Optical media converter for controller network “CC-Link IE Control”







Mitsubishi AC servo cable for MELSERVO-J4/J3/JN series

- This cable enables relay connection, and is available in a case in which the AC servo should be separated from the machine side during transportation or installation, a case in which a highly flexible part should be adopted partially in the AC servo, and other cases.
- Mitsubishi Electric System & Service Co., Ltd. produces cables (increment:1 m) for Mitsubishi MR-J4/J3/JN series servo encoders, power supplies and electromagnetic brakes.

* Mitsubishi Electric System & Service Co., Ltd. produces cables other than cables of standard length sold by Mitsubishi Electric Corporation.

Production discontinuance of major FA products

Below is the repair acceptance period of major models and series in which production of the main unit are already discontinued. Production may be discontinued even in other models and series not shown below, and production may be discontinued before the date shown below or may be continued in some models and series shown below. Refer to the Mitsubishi Electric's website or contact Mitsubishi Electric sales representatives for further information.

Repair acceptance period

Mitsubishi PLCs and micro PLCs

MELSEC-A/QnA (large type) series	From September 2006 (From September 2008 only in some models)	Until September 2013 (Until September 2015 only in some models)
MELSEC-A/QnA (small type) series	From September 2014	Until September 2021
MELSEC-F (FX_1, FX_1) series	From September 2000	Until September 2007
MELSEC-F (FX_1, FX_2) series	From June 2002	Until June 2009
MELSEC-F (FX_{0N}, FX_{0S}) series	From January 2006	Until January 2013
MELSEC-F (FX_{2N}, FX_{2NC}) series	From September 2012	Until September 2019
MELSEC-F(FX_{1S}, FX_{1N}, FX_{1NC}) series	From December 2015	Until December 2022

Mitsubishi graphic operation terminals

GOT-A800 series	From September 2002	Until September 2009
GOT-A900 series	From December 2009	Until December 2016
FX-DU series	From September 2002	Until September 2009
GOT-F900 series	From March 2011	Until March 2018

Mitsubishi inverters

FREQROL-F500J series	From April 2012	Until September 2019
FREQROL-A700 series	From December 2015	Until December 2022
FREQROL-F500 (L) series	From May 2006	Until May 2013
FREQROL-S500 series	From May 2006	Until May 2013
FREQROL-S500E series	From August 2010	Until August 2017
FREQROL-A500 (L) series	From April 2007	Until April 2014
FREQROL-E500 series	From April 2011	Until April 2018

Mitsubishi AC servos

MR-VA/VC, MR-SA/SB/SC/SD series	From September 1998	Until September 2005
MR-J series	From December 2001	Until December 2008
MR-H series	From November 2005	Until November 2012
MR-J2 series	From November 2005	Until November 2012
MR-J2S series	From August 2015	Until August 2022

Repair acceptance period

2014

Mitsubishi motion controllers

A273UHCPU	▶ From September 2006	Until September 2013

Mitsubishi industrial robots

EN series	▶ From September 2001	Until September 2008
E series	▶ From March 2002	Until March 2009
A series	▶ From March 2005	Until March 2012
S series	▶ From September 2009	Until September 2016

Mitsubishi distribution control product

Migration time of Mitsubishi distribution control product due to deterioration

Model	Recommended migration time (after start of use)
Molded-case circuit breaker Earth-leakage circuit breaker	15 years or specified number of times of switching
Electromagnetic switch	10 years or specified number of times of switching

Production/ Development

We Strive to Respond to Customers Needs in All Aspects of Our Production and Development Processes and Quality

Production

We manufacture products that satisfy our customers needs, with leading-edge production lines and technologies.

In cooperation with our network of factories and overseas production bases, our mother factory in Nagoya, Japan, has developed systems and solutions, such as e-F@ctory, that are designed to optimize and strengthen manufacturing and production processes. This is demonstrated through the total “visualization” of the factory operations from ensuring the highest level of productivity and machine optimization to energy management applied throughout the total plant operation.

Nagoya Works

Shinshiro Factory

Kani Factory

Nagoya Works (Nagoya, Aichi)

As the core factory of our FA business, Nagoya Works creates an extensive lineup and network of FA products. Its goal is to contribute to production throughout the world and become the No.1 FA supplier to our customers.

Fukuyama Works (Fukuyama, Hiroshima)

Fukuyama Works utilizes its world-class power distribution and control technology to manufacture protective, measurement and control equipment. It also produces a wide range of ecological and economical energy-saving products.

Himeji Works (Himeji, Hyogo)

Himeji Works manufactures scalable and versatile compact PLCs and HMIs, as well as inspection units that increase quality, productivity and reliability of production lines.

Nakatsugawa Works (Nakatsugawa, Gifu)

Nakatsugawa Works boasts vast expertise in the field of air distribution and conditioning control technology. It manufactures ventilators and industrial fans that create comfortable environments while saving energy.

Mitsubishi Electric FA Industrial Products Corporation (Fukuoka, Fukuoka)

This site provides solutions to various needs in the area of geared motors, hoists, and vacuum pumps, which serve as driving sources for a broad range of equipment, from transport to food production.

Mitsubishi Electric Dalian Industrial Products Co., Ltd.

Founded as a production base for breakers, this site also manufactures inverters and electrical discharge machines today. It intends to further upgrade its production processes as a strategic overseas production base.

Mitsubishi Electric Automation (Thailand) Co., Ltd.

Founded as a production base for three-phase induction motors, but it now manufactures electric energy meter and die-cast parts, mainly for domestic use in Thailand.

Mitsubishi Electric Automation Manufacturing (Changshu) Co., Ltd.

Manufacturing servo, NC, and other drive control equipment. Production is local to meet the growing demand in China.

Mitsubishi Electric Low Voltage Equipmet (Xiamen) Co., Ltd.

Manufacturing low voltage power distribution and control equipment. The company is responding to the expansion of our customers’ production facilities in China.

Mitsubishi Electric India Pvt. Ltd.

We manufacture inverters, power distribution control devices, PLC and HMI, and we are building a manufacturing, sales, and service system that is responsive to the needs of the Indian market.

Development
We identify new customer needs promptly and accelerate our R&D cycle to respond to those needs.

Core Development Processes
To develop products in response to diversifying needs, two core development centers have been created integrating the related departments of FA and Industrial Automation Machinery. These state-of-the-art centers maximise the technology synergies to produce world-class products.

FA Development Center (within Nagoya Works)

The FA Development Center pursues solutions for our customers' diverse and advanced needs in the areas of control technology, networking, HMIs, complex software, drives etc.

Industrial Automation Development Center (within Nagoya Works)

The state-of-the-art development environment is capable of responding to trends for more compact features, higher precision, and higher speeds. The design, processing technology and service domains have been brought together to strengthen Mitsubishi Electric's total development power.

Comprehensive strength
To promote the development of competitive products and create technologies for the future we foster world-leading R&D activities whilst utilizing our network of overseas and domestic research institutes.

Advanced Technology R&D Center (Amagasaki, Hyogo)

As an advanced technology base for all of Mitsubishi Electric's business areas, the R&D Center has many responsibilities: from the development of common infrastructure technologies and new products to the research and development of potential new businesses for the future.

Information and Technology R&D Center (Kamakura, Kanagawa)

The R&D Center plays an important role in creating new businesses and innovating existing ones through basic research and development in the areas of information, communications, and optical and electromagnetic technologies.

Development at the global level
We develop products that satisfy the needs of our overseas customers, propose new global-scale FA business plans, adopt cutting-edge technologies from overseas and promote other development activities, all from a global perspective.

European Development Center (Düsseldorf, Germany)

In addition to investigating and researching cutting-edge technologies, the European Development Center develops products for the European market, in the languages of the European countries, as well as working to obtain various EU standards and certifications.

North American Development Center (Chicago, Boston) USA

As a planning and development base for new products and new business creation in North America, the North American Development Center aims to incubate new FA businesses and investigate advanced technologies.

China Design (Dalian, China)

Based on close cooperation between sales departments and our mother factory, we are expanding our product lineup and developing new specifications for the Chinese market.

Indian Development Center (Pune, India)

The company develops for the Indian market. Also, as a development base for the global market, it partners with other development bases to develop common technologies for FA equipment.

Quality
In response to our customers' trust and confidence, we constantly review and reinforce our quality management system.

Anechoic room

Manufacturing servo, NC, and other drive control equipment. Production is local to meet the growing demand in China.

LSI evaluation facility

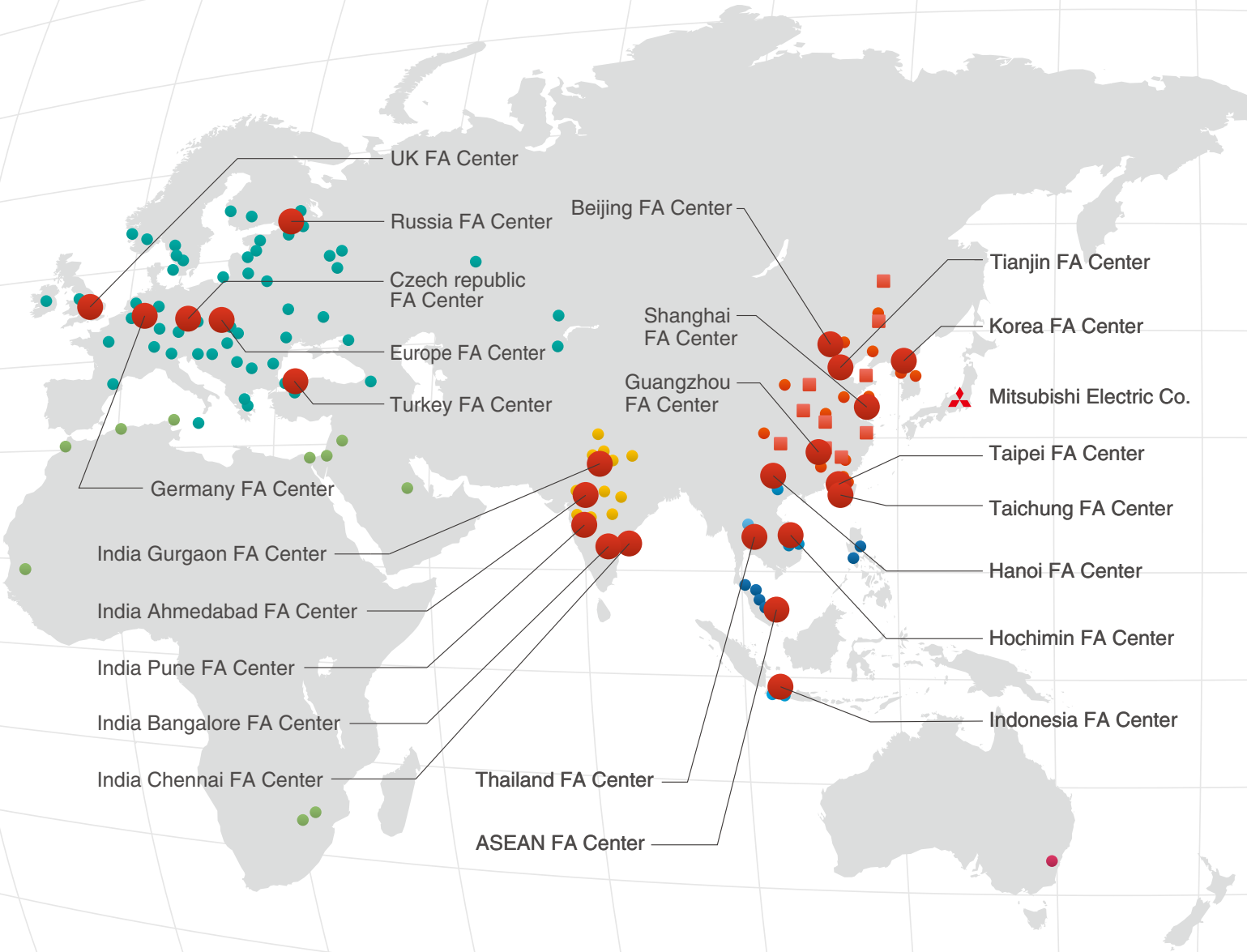
Manufacturing low voltage power distribution and control equipment. The company is responding to the expansion of our customers' production facilities in China.

Inspecting machining equipment performance

We exhaustively inspect the drive control and machining performance of machining equipment, testing to ensure continuing precision machining after delivery.

GLOBAL NETWORK

Our Global Network Delivers Reliable Technologies and Security All Over the World

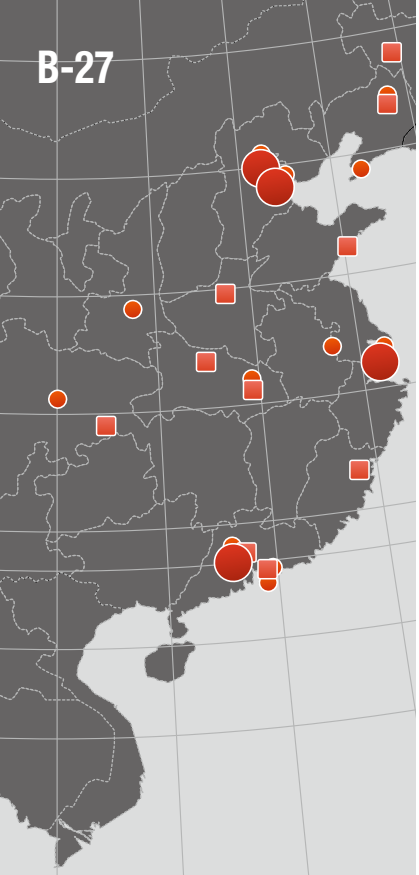


GLOBAL N

ETWORK

Index

China Mainland — B-27
Korea — B-29
Taiwan — B-30
ASEAN — B-31
Indonesia — B-32
Vietnam/Thailand — B-33
India — B-34
Oceania — B-35
Americas/Mexico — B-36
Brazil — B-37
Europe — B-38
Turkey — B-41
Middle East/Africa — B-42



China Mainland

China Main Land

Shanghai FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
三菱电机自动化(中国)有限公司
Mitsubishi Electric Automation Center, No.1386 Hongqiao Road, Shanghai, China
上海市虹桥路1386号 三菱电机自动化中心10层
TEL 86-21-2322-3030 FAX 86-21-2322-3000(9611#)
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese/English/Japanese
* Japanese engineers are stationed in the FA Center.

Beijing FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Beijing Branch
三菱电机自动化(中国)有限公司　北京分公司
Unit 901, Office Tower 1, Henderson Centre, 18 Jianguomennei Avenue, Dongcheng District, Beijing, China
北京市东城区建国门内大街18号 恒基中心办公楼第一座9楼901室
TEL 86-10-6518-8830 FAX 86-10-6518-2938
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese/English/Japanese

Tianjin FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Tianjin Branch
三菱电机自动化(中国)有限公司　天津分公司
Room 2003 City Tower, No.35, Youyi Road, Hexi District, Tianjin, China
天津市河西区友谊路35号 城市大厦2003室
TEL 86-22-2813-1015 FAX 86-22-2813-1017
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese/English/Japanese
* Japanese engineers are stationed in the FA Center.

Guangzhou FA Center

PLC HMI SV INV RB LVS MC

* Robot:華南地区受付窓口

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Guangzhou Branch
三菱电机自动化(中国)有限公司　广州分公司
Room 1609, North Tower, The Hub Center, No.1068, Xingang East Road, Haizhu District, Guangzhou, China
广州市海珠区新港东路1068号 中洲中心北塔1609室
TEL 86-20-8923-6730 FAX 86-20-8923-6715
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese/English/Japanese
* Japanese engineers are stationed in the FA Center.

Key Service Offices

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Shenzhen Branch CNC
三菱电机自动化(中国)有限公司　深圳分公司
Room 2512-2516, 25F, Great China International Exchange Square, Jintian Road(South), Futian District, Shenzhen, China
深圳市福田区金田南路 大中华国际交易广场25层 2512-2516室
TEL 86-755-2399-8272 FAX 86-755-8218-4776
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese/English

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Chengdu Branch CNC
三菱电机自动化(中国)有限公司　成都分公司
Room 401A-407B-408, 4F, Unit B, Shangri-La Center, No. 9 Binjiang East Road, Jinjiang District, Chengdu, China
成都市滨江东路9号B座成都香格里拉中心办公楼4层 401A, 407B, 408单元
TEL 86-28-8446-8030 FAX 86-28-8446-8630
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese/English

Sales offices　PLC Programmable Controllers　HMI Human-Machine Interfaces　SV AC Servos, Servo System Controllers　INV Inverters

FA Center Satellite

MITSUBISHI ELECTRIC SHENYANG
FA Center Satellite PLC HMI SV INV CNC
Room 1122, Buynow Technology Building, NO.90-5, Sanhao Street, Heping District, Shenyang, China
沈阳市和平区三好街90甲5号 百脑汇科技大厦1122室
TEL 86-24-8399-3979 FAX 86-24-8399-3949
HP http://highskill30.com LANGUAGE Chinese

MITSUBISHI ELECTRIC QINGDAO
FA Center Satellite PLC HMI SV INV
55-1, Liaoning Road, Qingdao, China
青岛市辽宁路55号-1
TEL 86-532-8384-3891 FAX 86-532-8384-1357
HP http://www.mitsubishi-qd.com LANGUAGE Chinese

MITSUBISHI ELECTRIC WUHAN
FA Center Satellite PLC HMI SV INV CNC
Unit 1609, Jiangtian Mansion, No.586, Wuluo Road, Wuchang District, Wuhan, China
武汉市武昌区武珞路586号 江天大厦 16F 1609室
TEL 86-27-8765-5025 FAX 86-27-8765-5247
HP http://www.whxingdong.com LANGUAGE Chinese

MITSUBISHI ELECTRIC XIANGYANG
FA Center Satellite PLC HMI SV INV
Room 1318, Financial Building, Dongfeng Qiche Street, Xiangyang Qiche Products Development Zone, Xiangyang, China
襄阳汽车产业开发区东风汽车大道金融大楼工行1318室
TEL 86-710-339-8821 FAX 86-710-339-2859
LANGUAGE Chinese

MITSUBISHI ELECTRIC SHENZHEN
FA Center Satellite PLC HMI SV INV
27F, Daqing Building, Chegong Miao, Futian District, Shenzhen, China
深圳市福田区车公庙大庆大厦27楼
TEL 86-755-8298-4361 FAX 86-755-8298-4880
HP http://www.szxingdong.com LANGUAGE Chinese

MITSUBISHI ELECTRIC GUANGZHOU
FA Center Satellite PLC HMI SV INV
Unit C, 8F, Chengjian Building, 189, Tiyu Road(West), Tianhe District, Guangzhou, China
广州市天河区体育西路189号 城建大厦8楼C单元
TEL 86-20-3879-7100 FAX 86-20-3879-7106
HP http://www.szxingdong.com LANGUAGE Chinese

MITSUBISHI ELECTRIC FUZHOU
FA Center Satellite PLC HMI SV INV
Room 810, Times Square, 89, Fuxin Road(Central), Fuzhou, China
福州市福新中路89号 时代国际广场810室
TEL 86-591-8395-4128 FAX 86-591-8399-5476
LANGUAGE Chinese

MITSUBISHI ELECTRIC CHONGQING
FA Center Satellite PLC HMI SV INV
5-5, BLock D, Technology Development Building, Keyuan Yi Road, Gaoxin District, Chongqing, China
重庆市高新区科园一路科技发展大厦D座5-5
TEL 86-23-6862-2098 FAX 86-23-8908-9306
HP http://www.szxingdong.com LANGUAGE Chinese

MITSUBISHI ELECTRIC CHANGCHUN
FA Center Satellite CNC
* PLC,HMI,SV,INV:吉林省地区受付窓口
1798, Ruipeng Road, Chaoyang Industrial Economy Development District, Changchun, China
长春市朝阳工业经济开发区瑞鹏路1798号
TEL 86-431-8502-1546 FAX 86-431-8502-1690
HP http://www.cckw.com.cn LANGUAGE Chinese

MITSUBISHI ELECTRIC ZHENGZHOU
FA Center Satellite PLC HMI SV INV
109B, Kejishichangsumagang, Wenhualu 68, Zhengzhou, China
郑州市文化路68号科技市场数码港109B室
TEL 86-371-6396-5378 FAX 86-371-6396-5398
HP http://www.hnbf.cn LANGUAGE Chinese

Sales Offices

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
PLC HMI SV INV RB CNC LVS MC
三菱电机自动化(中国)有限公司
Mitsubishi Electric Automation Center, No.1386 Hongqiao Road, Shanghai, China
上海市长宁区虹桥路1386号 三菱电机自动化中心
TEL 86-21-2322-3030 FAX 86-21-2322-3000
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English/Japanese

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Beijing Branch
PLC HMI SV INV RB CNC LVS MC
三菱电机自动化(中国)有限公司　北京分公司
Unit908, 9F, Office Tower 1, Henderson Centre, 18 Jianguomennei Avenue, Dongcheng District, Beijing, China
北京市东城区建国门内大街18号 恒基中心办公楼第一座9层908室
TEL 86-10-6518-8830 FAX 86-10-6518-8030
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Tianjin Branch
PLC HMI SV INV LVS MC
三菱电机自动化(中国)有限公司　天津分公司
Room 2003 City Tower, No.35, Youyi Road, Hexi District, Tianjin, China
天津市河西区友谊路35号 城市大厦2003室
TEL 86-22-2813-1015 FAX 86-22-2813-1017
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English/Japanese

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Guangzhou Branch
LVS MC
三菱电机自动化(中国)有限公司　广州分公司
Room 1609, North Tower, The Hub Center, No.1068, Xingang East Road, Haizhu District, Guangzhou, China
广州市海珠区新港东路1068号 中洲中心北塔1609室
TEL 86-20-8923-6730 FAX 86-20-8923-6715
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English/Japanese

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Shenzhen Branch
PLC HMI SV INV RB CNC LVS MC
三菱电机自动化(中国)有限公司　深圳分公司
Room 2512-2516, 25F, Great China International Exchange Square, Jintian Road(South), Futian District, Shenzhen, China
深圳市福田区金田南路 大中华国际交易广场25层 2512-2516室
TEL 86-755-2399-8272 FAX 86-755-8218-4776
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Chengdu Branch
PLC HMI SV INV RB CNC LVS MC
三菱电机自动化(中国)有限公司　成都分公司
Room 401A-407B-408, 4F, Unit B, Shangri-La Center, No. 9 Binjiang East Road, Jinjiang District, Chengdu, China
成都市滨江东路9号B座成都香格里拉中心办公楼4层401A, 407B, 408单元
TEL 86-28-8446-8030 FAX 86-28-8446-8630
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Dalian Branch
PLC HMI SV INV
三菱电机自动化(中国)有限公司　大连分公司
Dongbei 3-5, Dalian Economic & Technical Development Zone, Dalian, China
大连经济技术开发区东北三街5号（三菱电机大连机器有限公司内）
TEL 86-411-8765-5951 FAX 86-411-8765-5952
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Nanjing Branch
PLC HMI SV INV
三菱电机自动化(中国)有限公司　南京分公司
Unit S1, 18F, Huatai Building, 90, Zhongshan Road(East), Nanjing, China
南京市中山东路90号华泰大厦18楼S1座
TEL 86-25-8445-3228 FAX 86-25-8445-3808
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese/English

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD. Wuhan Branch
PLC HMI SV INV
三菱电机自动化(中国)有限公司　武汉分公司
Room 4618, 46F, New World International Trader Tower No.568 Jianshe Avenue, Hankou, Wuhan, 430022, China
武汉市汉口建设大道568号新世界国贸大厦1座46层18号
TEL 86-27-8555-8043 FAX 86-27-8555-7883
HP http://cn.mitsubishielectric.com/fa/zh/index.asp LANGUAGE Chinese

RB Industrial Robots CNC Computerized Numerical Controllers LVS Low-voltage Circuit Breakers MC Contactors and Motor Starters * For repairing or after-sales technical support, please contact your nearest FA Center.

China Mainland

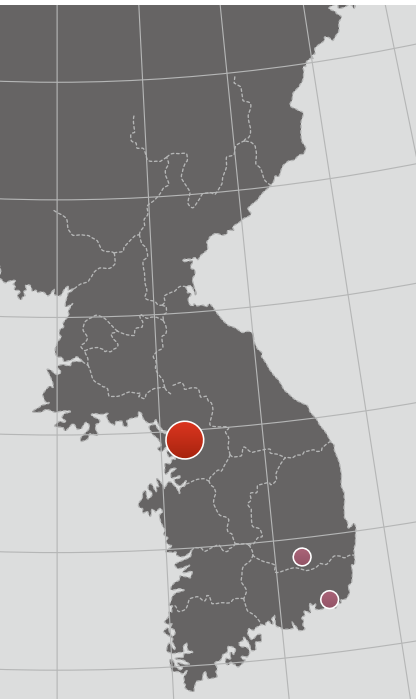
China Main Land

Sales Offices

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Xi'an Branch PLC HMI SV INV RB
三菱电机自动化(中国)有限公司　西安支店
Room D-E, 24F, millenium Star Mansion,
NO.88 Nan'er Huan Xiduan, Xi'an, Shanxi province, China
西安市二环南路88号老三届世纪星大厦24层DE室
TEL 86-29-8730-5236　FAX 86-29-8730-5235
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese

MITSUBISHI ELECTRIC AUTOMATION (CHINA) LTD.
Shenyang Branch PLC HMI SV INV
三菱电机自动化(中国)有限公司　瀋陽支店
Tower C,President Building,No.69 Heping North Street,
Heping District,Shenyang,China
沈阳市和平区和平北大街69号总统大厦C座
TEL 86-24-2259-8830　FAX 86-24-2259-8030
HP http://cn.mitsubishielectric.com/fa/zh/index.asp
LANGUAGE Chinese

MITSUBISHI ELECTRIC AUTOMATION (HONG KONG) LTD. PLC HMI SV INV LVS MC
三菱电机自动化(香港)有限公司
20th Floor, Cityplaza One, 1111 King's Rood, Taikoo Shing, Hong Kong, China
香港太古城英皇道, 1111号太古城中心一座20F
TEL 852-2887-8870　FAX 852-2887-7984
LANGUAGE Chinese/English
* Please contact Shanghai FA Center for Japanese support.



Korea

Korea

Korea FA Center

PLC HMI SV INV RB CNC

MITSUBISHI ELECTRIC AUTOMATION KOREA CO., LTD.
8F, Gangseo Hangang Xi-tower A, 401, Yangcheon-ro, Gangseo-Gu,
Seoul, 157-801, Korea
TEL 82-2-3660-9605/9606/9607
FAX 82-2-3664-0475
HP http://www.mitsubishi-automation.co.kr/
LANGUAGE Korean/Japanese
* Japanese engineers are stationed in the FA Center.

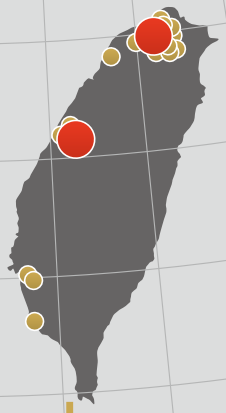
Sales Offices

MITSUBISHI ELECTRIC AUTOMATION KOREA CO., LTD. (Sales) PLC HMI SV INV RB CNC LVS MC
7F to 9F, Gangseo Hangang Xi-tower A, 401, Yangcheon-ro, Gangseo-Gu, Seoul, 157-801, Korea
TEL 82-2-3660-9530 PLC HMI
82-2-3660-9510 SV INV
82-2-3660-9550 RB CNC
FAX 82-2-3664-8372/8335
82-2-3664-8668 CNC
HP http://www.mitsubishi-automation.co.kr/
LANGUAGE Korean/Japanese

MITSUBISHI ELECTRIC AUTOMATION KOREA CO., LTD. Busan Office PLC HMI SV INV
3F Haejeong Bldg. 233, Jungang-Daero, Dong-gu, Busan, 601-829 Korea
TEL 82-51-464-3747/3748/3749　FAX 82-51-464-3768
HP http://www.mitsubishi-automation.co.kr/
LANGUAGE Korean/Japanese

MITSUBISHI ELECTRIC AUTOMATION KOREA CO., LTD. Daegu Office PLC HMI SV INV CNC
4F KT Bldg. 8, Hoguk-ro, Buk-Gu, Daegu, 702-835, Korea
TEL 82-53-382-7400/82-53-382-7401
FAX 82-53-382-7411
HP http://www.mitsubishi-automation.co.kr/
LANGUAGE Korean/English/Japanese

Taiwan



Taichung FA Center

MITSUBISHI ELECTRIC TAIWAN CO., LTD. RB CNC
台湾三菱電機股份有限公司

No.8-1, Industrial 16th Road, Taichung Industrial Park, Taichung City 40768, Taiwan, R.O.C.
40768 台中市西屯區工業十六路8之1號

TEL 886-4-2359-0688 FAX 886-4-2359-0689
HP http://www.MitsubishiElectric.com.tw
LANGUAGE Chinese/English/Japanese

* Japanese engineers are stationed in the FA Center.

Taipei FA Center

SETSUYO ENTERPRISE CO., LTD. PLC HMI SV INV
攝陽企業股份有限公司

3F, No.105, Wugong 3rd Road, Wugu District, New Taipei City 24889, Taiwan, R.O.C.
24889 新北市五股區五工三路105號3樓

TEL 886-2-2299-9917 FAX 886-2-2299-9963
HP http://www.setsuyo.com.tw LANGUAGE Chinese/Japanese

* Japanese engineers are stationed in the FA Center.

Sales Offices

MITSUBISHI ELECTRIC TAIWAN CO., LTD. (Central area) RB CNC
台湾三菱電機股份有限公司(台中地区)

No.8-1, Industrial 16th Road, Taichung Industrial Park,
Taichung City 40768, Taiwan, R.O.C.
40768 台中市西屯區工業十六路8之1號
TEL 886-4-2359-0688 FAX 886-4-2359-0689
HP http://www.mitsubishielectric.com.tw
LANGUAGE Chinese/English/Japanese

MITSUBISHI ELECTRIC TAIWAN CO., LTD. (North area) RB CNC
台湾三菱電機股份有限公司(台北地区)

10F, No.88 Sec. 6, Chung Shan North Road, Shi Lin District,
Taipei City 11155, Taiwan, R.O.C.
11155 台北市士林區中山北路六段88號10樓
TEL 886-2-2833-5430 FAX 886-2-2833-5433
HP http://www.mitsubishielectric.com.tw
LANGUAGE Chinese/Japanese

MITSUBISHI ELECTRIC TAIWAN CO., LTD. (South area) RB CNC
台湾三菱電機股份有限公司(台南地区)

11F-1., No.30, Zhongzheng S. Road, Yongkang District,
Tainan City 71067, Taiwan, R.O.C.
71067 台南市永康區中正南路30號11樓之1
TEL 886-6-252-5030 FAX 886-6-252-5031
HP http://www.mitsubishielectric.com.tw
LANGUAGE Chinese

SETSUYO ENTERPRISE CO., LTD. PLC HMI SV INV
攝陽企業股份有限公司

6F, No.105, Wugong 3rd Road, Wugu District,
New Taipei City 24889, Taiwan, R.O.C.
24889 新北市五股區五工三路105號6樓
TEL 886-2-2299-2499 FAX 886-2-2299-2509
HP http://www.setsuyo.com.tw
LANGUAGE Chinese/Japanese

SETSUYO ENTERPRISE CO., LTD. Taichung Branch PLC HMI SV INV
攝陽企業股份有限公司　台中支店

Room 7, 7F, No.77, Shizheng N.1st Road, Xitun District,
Taichung City 40756, Taiwan, R.O.C.
40756 台中市市政北一路77號7樓之7
TEL 886-4-2258-1027 FAX 886-4-2252-0967
HP http://www.setsuyo.com.tw LANGUAGE Chinese

SETSUYO ENTERPRISE CO., LTD. Tainan Branch PLC HMI SV INV
攝陽企業股份有限公司　台南支店

2, 12F, No.30, Zhongzheng S. Road, Yongkang District,
Tainan City 71067, Taiwan, R.O.C.
71067 台南市永康區中正南路30號12樓之2
TEL 886-6-282-1713 FAX 886-6-282-1714
HP http://www.setsuyo.com.tw LANGUAGE Chinese/Japanese

SETSUYO ENTERPRISE CO., LTD. Kaohsiung Branch PLC HMI SV INV
攝陽企業股份有限公司　高雄支店

Room 6 16F, No.3, Ziqiang 3rd Road, Lingya District,
Kaohsiung City 80245, Taiwan, R.O.C.
80245 高雄市苓雅區自強三路3號16樓之6
TEL 886-7-332-0489 FAX 886-7-332-0495
HP http://www.setsuyo.com.tw LANGUAGE Chinese/Japanese

Distributors

SHIHLIN ELECTRIC & ENGINEERING CORPORATION (AUTOMATION DIVISION) PLC HMI SV INV
士林電機廠股份有限公司

No.234, Zhonglun, Xinfeng Township, Hsinchu County 30473, Taiwan, R.O.C.
30473 新竹縣新豐鄉中崙村七鄰234號
TEL 886-3-599-5111 FAX 886-3-590-7173
HP http://www.seec.com.tw LANGUAGE Chinese/Japanese

FAPRO ENTERPRISE CO.,LTD. PLC HMI SV INV
能麒企業股份有限公司

7F, No.22, Wuquan 7th Road, Wugu District, New Taipei City 24890,
Taiwan, R.O.C.
24890 新北市五股區五權七路22號7樓
TEL 886-2-2298-1399 FAX 886-2-2298-1319
HP http://www.fapro.com.tw LANGUAGE Chinese/Japanese

METOP FUNCTIONS CO.,LTD. PLC HMI SV INV
上菱機電股份有限公司

Room5, 7F, No.6, Ln. 609, Sec. 5, Chongxin Road,
Sanchong District, New Taipei City 24159, Taiwan, R.O.C.
24159 新北市三重區重新路五段609巷6號7樓之5
TEL 886-2-2999-1689 FAX 886-2-2999-1655
HP http://www.metop.com.tw LANGUAGE Chinese

CHIANG LY TRADING CO., Ltd. PLC HMI SV INV
強力貿易股份有限公司

No.228, Yanping S. Road, Zhongzheng District, Taipei City 10065, Taiwan, R.O.C.
10065 台北市中正區延平南路228號
TEL 886-2-2381-5195 FAX 886-2-2311-1792
LANGUAGE Chinese

TWO-WAY TRADING CORPORATION PLC HMI SV INV
双象貿易股份有限公司

12F, No.61, Nanjing W. Road, Datong District, Taipei City 10352,
Taiwan, R.O.C.
10352 台北市大同區南京西路61號12樓
TEL 886-2-2558-9169 FAX 886-2-2559-0983
HP http://www.two-way.com.tw LANGUAGE Chinese

HAN WAY TECHNOLOGY INC.COMPANY. PLC HMI SV INV
瀚衛科技有限公司

Room 3, 11F, No.37, Sec. 2, Sanmin Road, Banqiao District,
New Taipei City 22069, Taiwan, R.O.C.
22069 新北市板橋區三民路2段37號11樓之3
TEL 886-2-2963-4180 FAX 886-2-2963-4182
HP http://www.han-way.com.tw LANGUAGE Chinese

FACON Engineering Co., Ltd. PLC HMI SV INV
恵控機電股份有限公司

9F, No.120-11, Sec.3, Jhongshan Road, Jhonghe District,
New Taipei City, 23544, Taiwan, R.O.C.
23544 新北市中和區中山路三段120-11號9樓
TEL 886-2-8221-3180 FAX 886-2-8221-3183
HP http://www.facon.com.tw LANGUAGE Chinese

EVERTAK TECHNOLOGY CO.,LTD. PLC HMI SV INV
日遠科技股份有限公司

8F, No.23, Ji Lin Road, Chung Li City, Taoyuan Hsien 32062,
Taiwan, R.O.C.
32062 桃園縣中壢市吉林路23號8樓
TEL 886-3-4617999 FAX 886-3-4617688
HP http://www.evertak.com.tw LANGUAGE Chinese

ASEAN

ASEAN FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC ASIA PTE. LTD.

307, Alexandra Road, Mitsubishi Electric Building, Singapore 159943
TEL 65-6473-2308 FAX 65-6476-7439
HP http://www.mitsubishielectric.com.sg
LANGUAGE Chinese/Malay/English

Regional Sales Office in ASEAN

MITSUBISHI ELECTRIC ASIA PTE. LTD. PLC HMI SV INV RB CNC LVS MC

307, Alexandra Road, Mitsubishi Electric Building, Singapore 159943
TEL 65-6473-2308 FAX 65-6476-7439 HP http://www.mitsubishielectric.com.sg LANGUAGE Chinese/English

Distributors

SINGAPORE

PUMAS AUTOMATION & ROBOTICS PTE. LTD. PLC HMI SV INV RB
209 Henderson Road #03-07 Singapore 159551
TEL 65-6278-3289 FAX 65-6278-8372
HP http://sg.pumasautomation.com
LANGUAGE English/Chinese

TDS Technology (S) Pte Ltd PLC HMI SV INV
64 Sungei Kadut Loop #03-00 HOCEN Building Singapore 729493
TEL 65-6366-1661 FAX 65-6362-1661
HP http://www.tdstech.com
LANGUAGE English/Chinese

FA-Tech Robotic & Controls Pte Ltd PLC HMI SV INV
No1, Ubi View, #01-03, Focus One, Singapore 408555
TEL 65-6747-6316 FAX 65-6747-6516
LANGUAGE English/Chinese

MALAYSIA

Flexible Automation System Sdn. Bhd. PLC HMI SV INV RB CNC
60, Jalan USJ 10/1B, 47620, UEP Subang Jaya, Selangor, Darul, Ehsan, Malaysia
TEL 60-3-5633-1280 FAX 60-3-5633-6613
HP http://www.flexible.com.my
LANGUAGE Malay/English/Chinese

Flexible Automation System Sdn. Bhd. Penang Branch PLC HMI SV INV RB
27, Jalan Pesara Mahsuri 5, Sg. Nibong Kechil, 11900, P. Pinang. Malaysia
TEL 60-4-643-3898 FAX 60-4-643-3308
HP http://www.flexible.com.my
LANGUAGE Malay/English/Chinese

Flexible Automation System Sdn. Bhd. Johor Bahru Branch PLC HMI SV INV RB CNC
16, Jalan Shahbandar 1, Taman Ungku Tun Aminah, 81300, Skudai, Johor, Malaysia
TEL 60-7-557-8218 FAX 60-7-557-3404
HP http://www.flexible.com.my
LANGUAGE Malay/English/Chinese

Flexible Automation System Sdn. Bhd. Ipoh Branch PLC HMI SV INV RB
84C-1, Jalan Kuala kangsar, 30010, Ipoh, Perak, Malaysia
TEL 60-5-506-0323/2528 FAX 60-5-506-0127
HP http://www.flexible.com.my
LANGUAGE Malay/English/Chinese

Flexible Automation System Sdn. Bhd. Melaka Branch PLC HMI SV INV RB
No 20, Jalan PB 1, Taman Padang Balang, Batu Berendam, 75350, Melaka, Malaysia
TEL 60-6-317-5090 FAX 60-6-317-5092
HP http://www.flexible.com.my
LANGUAGE Malay/English/Chinese

I Linear Automation Sdn Bhd PLC HMI SV INV RB
38, Persiaran Tembok, Taman Tawas Gemilang 30010, Ipoh, Perak, Malaysia
TEL 60-5-546-6331 FAX 60-5-547-7331
HP http://www.ilinear.com.my/
LANGUAGE Malay/English/Chinese

I Linear Automation Sdn Bhd Penang Branch PLC HMI SV INV RB
1018(1st Floor), Jalan Dato Ismail Hashim, 11900, Penang, Malaysia
TEL 60-4-646-8382 FAX 60-4-646-8157
HP http://www.ilinear.com.my/
LANGUAGE Malay/English/Chinese

I Linear Automation Sdn Bhd Kuala Lumpur Branch PLC HMI SV INV RB
17A, Jalan SS 18/1B, 47500 Subang Jaya, Selangor, Malaysia
TEL 60-3-5637-6268 FAX 60-3-5635-7168
HP http://www.ilinear.com.my/
LANGUAGE Malay/English/Chinese

I Linear Automation Sdn Bhd Johor Bahru Branch PLC HMI SV INV RB
No. 31A, Jalan Impian Emas 3, Taman Impian Emas, 81300 Skudai, Johor, Malaysia
TEL 60-7-558-5331 FAX 60-7-558-7331
HP http://www.ilinear.com.my/
LANGUAGE Malay/English/Chinese

MITTRIC SDN BHD LVS MC
5, Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie, 40150 Shah Alam, Selangor, Malaysia
TEL 60-3-5569-3748 FAX 60-3-5569-3749
HP http://www.mittric.com
LANGUAGE Malay/English/Chinese

PHILIPPINES

Integrated Factory Automation Inc. PLC HMI SV INV
Unit 9 Bldg. G/F Madison Square Pioneer, Pioneer St., corner Sheriden St. Mandaluyong City MM, Philippines
TEL 63-2-571-8979 FAX 63-2-470-2596
HP http://www.ifa.com.ph LANGUAGE Tagalog/English

Flexible Automation System Corporation PLC HMI SV INV CNC
Unit 411. Alabang Corporate Center Km25. West Service Road South Super Highway Alabang Muntinlupa Metro Manila, Philippines
TEL 63-2-216-2724 FAX 63-2-807-2417
LANGUAGE Tagalog/English

EDISON ELECTRIC INTEGRATED, INC. LVS MC
24th Floor Galleria Corporate Center, Robinsons Galleria Complex, EDSA comer Ortigas Avenue, Quezon City, Philippines
TEL 63-2-634-8691 FAX 63-2-634-5899
LANGUAGE Tagalog/English

Sales offices PLC Programmable Controllers HMI Human-Machine Interfaces SV AC Servos, Servo System Controllers INV Inverters

Indonesia

Indonesia

Indonesia FA Center

PLC HMI SV INV RB CNC LVS MC

PT. MITSUBISHI ELECTRIC INDONESIA

JL. kenari Raya Blok G2-07A Delta Silicon5, Lippo Cikarang-Bekesi 17550 Indonesia
TEL 62-21-2961-7797 FAX 62-21-2961-7794
LANGUAGE Indonesian/English/Japanese
* Japanese engineers are stationed in the FA Center.

Sales Offices

PT. MITSUBISHI ELECTRIC INDONESIA PLC HMI SV INV RB CNC

Gedung Jaya 11th Floor, JL. MH. Thamrin No.12, Jakarta Pusat 10340, Indonesia
TEL 62-21-3192-6461 FAX 62-21-3192-3942 LANGUAGE Indonesian/English/Japanese

Distributors

PT. SETSUYO ASTEC PLC HMI SV INV

THE PLAZA Office Tower, 28th Floor JL.M.H. Thamrin KAV.28-30, Jakarta, 10350, Indonesia
TEL 62-21-2992-3322 FAX 62-21-2992-3323
LANGUAGE Indonesian/English/Japanese

SURABAYA REPRESENTATIVE OFFICE PLC HMI SV INV

Jl. Raya Menganti 411A Wiyung Surabaya 60228, Indonesia
TEL 62-31-7527351 FAX 62-31-7527351
LANGUAGE Indonesian/English

P. T. Autoteknindo Sumber Makmur PLC HMI SV INV

Muara Karang Selatan, Block A / Utara No.1 Kav. No. 11, Kawasan Industri Pergudangan Jakarta Utara 14440, Indonessia
TEL 62-21-663-0833 FAX 62-21-663-0832
LANGUAGE Indonesian/English

PT. FLEXINDOMAS PLC HMI SV INV

Kota Delta Mas Ruko Boulevard Fresno, Block D No.19, Cikarang Pusat, Indonesia
TEL 62-21-2909-3972 LANGUAGE Indonesian/English

Jl. Ngagel Jaya Selatan, Ruko RMI, k-10 Surabaya, Indonesia
TEL 62-31-5019245 FAX 62-31-5013250
LANGUAGE Indonesian/English

Jl. Prof. Dr. Latumenten No.17B Jakarta Barat 11330, Indonesia
TEL 62-21-6313-151 FAX 62-21-6313-154
LANGUAGE Indonesian/English

Ruko Kopomas Regency N7G Bandung, Indonesia
TEL 62-22-5417245 FAX 62-22-5407933
LANGUAGE Indonesian/English

PT NOBLE ELECTRINDO PLC HMI SV INV

Jl. Bulevar Hijau Raya, Ruko Blok B2 No.17, Kota Harapan Indah, Bekasi Barat, 17131, Indonesia
TEL 62-21-8898-1039 FAX 62-21-8898-0849
LANGUAGE Indonesian/English

PT. AUTOFLEX GLOBALINDO PLC HMI SV INV

Jl. MT. Haryono 141 Semarang Central Java 50123 Indonesia
TEL 62-24-358-5577 FAX 62-24-358-5855
HP http://www.autoflexindo.com LANGUAGE Indonesian/English

PT. MITSOL TEKNIK INDONESIA PLC HMI SV INV

Jl. Jemur Sari 76 D20 Surabaya, Indonesia
TEL 62-31-847-6488 FAX 62-31-847-5462
LANGUAGE Indonesian/English

PT. SAHABAT INDONESIA LVS MC

Muara Karang Selatan Blok A Utara No. 1.Kawasan Industri Pergudangan, Jakarta Utara 14440, Jakarta, Indonesia
TEL 62-21-661-0651 FAX 62-21-660-3700
LANGUAGE Indonesian/English

Vietnam

Hanoi FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC VIETNAM COMPANY LIMITED
Hanoi Branch
6 Floor, Detech Tower No.8, Ton That Thuyet Street,
My Dinh 2 Ward, Nam Tu Liem District, Hanoi, Vietnam.
TEL 84-24-3937-8075 FAX 84-24-3937-8076
HP http://www.MitsubishiElectric.asia/Vietnam LANGUAGE Vietnamiese/English/Japanese
* Japanese engineers are stationed in the FA Center.

Ho Chi Minh FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC VIETNAM COMPANY LIMITED
Unit 01-04, 10th Floor, Vincom Center, 72 Le Thanh Ton Street, District 1,
Ho Chi Minh City, Vietnam
TEL 84-28-3910-5945 FAX 84-28-3910-5947
HP http://www.MitsubishiElectric.asia/Vietnam LANGUAGE Vietnamiese/English

Sales Offices

MITSUBISHI ELECTRIC VIETNAM COMPANY LIMITED PLC HMI SV INV RB CNC LVS MC
Unit 01-04, 10th Floor, Vincom Center, 72 Le Thanh Ton Street,
District 1, Ho Chi Minh City, Vietnam
TEL 84-28-3910-5945 FAX 84-28-3910-5947
HP http://www.MitsubishiElectric.asia/Vietnam/Japanese
LANGUAGE Vietnamese/English/Japanese

MITSUBISHI ELECTRIC VIETNAM COMPANY LIMITED
Hanoi Branch PLC HMI SV INV RB CNC LVS MC
6 Floor, Detech Tower No.8, Ton That Thuyet Street,
My Dinh 2 Ward, Nam Tu Liem District, Hanoi, Vietnam.
TEL 84-24-3937-8075 FAX 84-24-3937-8076
HP http://www.MitsubishiElectric.asia/Vietnam
LANGUAGE Vietnamese/English/Japanese

Distributors

SA GIANG TRADING CO., Ltd. PLC HMI SV INV RB LVS MC
Room 11.4A, 11th Floor, Ree Tower, 09 Doan Van Bo St., Ward
12, Dist.4, HCMC, Vietnam
TEL 84-28-3943-1568/69/70 FAX 84-28-3943-1571
HP http://www.sagiangvn.com
LANGUAGE Vietnamese/English/Japanese

Hanoi office PLC HMI SV INV RB LVS MC
Room 1205, 12th Floor, Han Viet Tower, 203 Minh Khai St., Minh
Khai Ward, Hai Ba Trung Dist., Hanoi, Vietnam
TEL 84-4-3573-7646 FAX 84-4-3573-7650
HP http://www.sagiangvn.com LANGUAGE Vietnamese/English

NARASAKI VIETNAM CO., LTD. PLC HMI SV INV RB LVS MC
R.308, HITC Building, 239 Xuan Thuy Str., Dich Vong Hau Ward,
Cau Giay Dist, Ha Noi, Vietnam
TEL 84-24-3724-7063 FAX 84-24-3724-7065
HP http://www.narasaki.com LANGUAGE Vietnamese/English/Japanese

APC INDUSTRY CORPORATION PLC HMI SV INV RB LVS MC
10 Road 22, Linh Chieu Ward, Thu Duc District, Ho Chi Minh, Vietnam
TEL 84-28-3722-3605 FAX 84-28-3722-5120
HP http://www.apc-eng.com LANGUAGE Vietnamese/English

DUY HUNG TECHCOM CO.,LTD. PLC HMI SV INV RB LVS MC
8th Floor, Licogi 13 Tower, Khuat Duy Tien street, Nhan Chinh ward,
Thanh Xuan district, Ha Noi, Vietnam
TEL 84-24-3540-9046 FAX 84-24-3540-9049
HP http://www.duyhung.vn LANGUAGE Vietnamese/English

Thailand

Thailand FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC FACTORY AUTOMATION (THAILAND) CO., LTD.
12th Floor, SV.City Building, Office Tower 1,
No. 896/19 and 20 Rama 3 Road, Kwaeng Bangpongpang,
Khet Yannawa, Bangkok 10120, Thailand
TEL 66-2682-6522 to 31 FAX 66-2682-6020
HP http://www.MitsubishiFA.co.th LANGUAGE Thai/English/Japanese
* Japanese engineers are stationed in the FA Center.

Sales Offices

MITSUBISHI ELECTRIC FACTORY AUTOMATION (THAILAND) CO., LTD. PLC HMI SV INV RB CNC
12th Floor, SV.City Building, Office Tower 1, No. 896/19 and 20 Rama 3 Road,
Kwaeng Bangpongpang, Khet Yannawa, Bangkok 10120, Thailand
TEL 66-2682-6522 to 31 FAX 66-2682-6020
HP http://www.MitsubishiFA.co.th
LANGUAGE Thai/English/Japanese

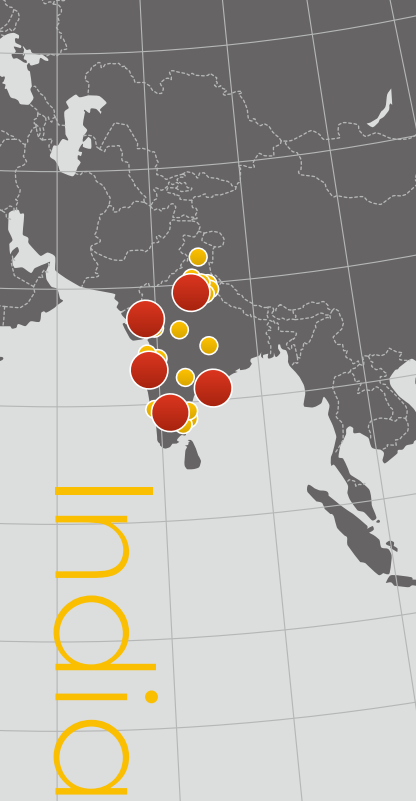
MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD. IM*
Bang-Chan Industrial Estate No.111 Moo 4, Serithai Rd,
T.Kannayao, A.Kannayao, Bangkok 10230 Thailand
TEL 66-2517-1326 FAX 66-2919-9885
HP http://www.meath-co.com
LANGUAGE Thai/English/Japanese

* This IM (Induction Motor) is different from the one sold in Japan. For further information, please contact MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD.
* Induction Motor

Distributors

UNITED TRADING & IMPORT CO., LTD. LVS MC
77/12 Bamrungmueang Rd., Khlongmahanak, Pomprapsattruphai,
Bangkok 10110
TEL 66-2223-4220 to 23 FAX 66-2224-5960
HP http://www.utic.co.th/ LANGUAGE Thai/English

Sales offices PLC Programmable Controllers HMI Human-Machine Interfaces SV AC Servos, Servo System Controllers INV Inverters



India

India Pune FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Pune Branch
Emerald House, EL -3, J Block, M.I.D.C Bhosari, Pune - 411026, Maharashtra, India
TEL 91-20-2710-2000 FAX 91-20-2710-2100
HP http://www.mitsubishielectric.in LANGUAGE Marathi/Hindi/English/Japanese
* Japanese engineers are stationed in the FA Center.

India Gurgaon FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Gurgaon Head Office
2nd Floor, Tower A & B, Cyber Greens, DLF Cyber City, DLF Phase - III, Gurgaon - 122002 Haryana, India
TEL 91-124-463-0300 FAX 91-124-463-0399
HP http://www.mitsubishielectric.in LANGUAGE Hindi/English/Japanese
* Japanese engineers are stationed in the FA Center.

India Bangalore FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Bangalore Branch
Prestige Emerald, 6th Floor, Municipal No. 2, Madras Bank Road (Lavelle Road), Bangalore - 560001, Karnataka, India
TEL 91-80-4020-1600 FAX 91-80-4020-1699
HP http://www.mitsubishielectric.in LANGUAGE Kannad/Hindi/English

India Chennai FA Center

PLC HMI SV INV LVS MC

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Chennai Branch
"Citilights Corporate Centre" No.1, Vivekananda Road, Srinivasa Nagar, Chetpet, Chennai - 600031, Tamil Nadu, India
TEL 91-44-4554-8772 FAX 91-44-4554-8773
HP http://www.mitsubishielectric.in LANGUAGE Tamil/Hindi/English

India Ahmedabad FA Center

PLC HMI SV INV LVS MC

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Ahmedabad Branch
B/4, 3rd Floor, SAFAL Profitaire, Corporate Road, Prahaladnagar, Satellite, Ahmedabad - 380015, Gujarat, India
TEL 91-79-6512-0063
HP http://www.mitsubishielectric.in LANGUAGE Gujarati/Hindi/English/Japanese

Regional Sales Office in India

MITSUBISHI ELECTRIC INDIA PVT. LTD. Pune Branch PLC HMI SV INV CNC LVS MC
Emerald House, EL -3, J Block, M.I.D.C Bhosari, Pune - 411026, Maharashtra, India
TEL 91-20-2710-2000 FAX 91-20-2710-2100
HP http://www.mitsubishielectric.in LANGUAGE Marathi/Hindi/English/Japanese

Sales Offices

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Gurgaon Head Office PLC HMI SV INV CNC LVS MC
2nd Floor, Tower A & B, Cyber Greens, DLF Cyber City, DLF Phase - Ⅲ, Gurgaon - 122002 Haryana, India
TEL 91-124-463-0300 FAX 91-124-463-0399
HP http://www.mitsubishielectric.in LANGUAGE Hindi/English/Japanese

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Bangalore Branch PLC HMI SV INV CNC LVS MC
Prestige Emerald, 6th Floor, Municipal No. 2, Madras Bank Road (Lavelle Road), Bangalore - 560001, Karnataka, India
TEL 91-80-4020-1600 FAX 91-80-4020-1699
HP http://www.mitsubishielectric.in LANGUAGE Kannad/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Chennai Branch PLC HMI SV INV LVS MC
"Citilights Corporate Centre" No.1, Vivekananda Road, Srinivasa Nagar, Chetpet, Chennai - 600031, Tamil Nadu, India
TEL 91-44-4554-8772 FAX 91-44-4554-8773
HP http://www.mitsubishielectric.in LANGUAGE Tamil/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Hyderabad Branch PLC HMI SV INV LVS MC
4th Floor, Unit No. 407, Ashoka Bhoopal Chamber, S.P. Road, Secunderabad Hyderabad - 500003, Andhra Pradesh, India
TEL 91-40-2772-2519 FAX 91-40-2772-2519
HP http://www.mitsubishielectric.in LANGUAGE Telugu/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Coimbatore Branch PLC HMI SV INV LVS MC
No 551A, West Lokmanya Street, DB Road, RS Puram, Coimbtore - 641002, India
TEL 91-81- 2944-5670
HP http://www.mitsubishielectric.in
LANGUAGE Malayalam/Tamil/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Rudrapur Branch PLC HMI SV INV LVS MC
181/6, Awas Vikas Ring Road, Rudrapur, Dist-USN - 263153, Uttarakhand, India
TEL 91-5944-246899
HP http://www.mitsubishielectric.in LANGUAGE Hindi/English

RB Industrial Robots CNC Computerized Numerical Controllers LVS Low-voltage Circuit Breakers MC Contactors and Motor Starters * For repairing or after-sales technical support, please contact your nearest FA Center.

India

India

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Ahmedabad Branch PLC HMI SV INV LVS MC
B/4, 3rd Floor, SAFAL Profitaire, Corporate Road, Prahaladnagar, Satellite, Ahmedabad - 380015, Gujarat, India
TEL 91-79-6512-0063
HP http://www.mitsubishielectric.in LANGUAGE Gujarati/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Vadodara Branch PLC HMI SV INV LVS MC
A - 1/2, 2nd Floor, Status Plaza, Opp. Relish Resort Aksar Square, O.P. Road, Vadodara - 390020, Gujarat, India
TEL 91-26-5231-4699 FAX 91-26-5233-3307
HP http://www.mitsubishielectric.in LANGUAGE Gujarati/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Mumbai Branch PLC HMI SV INV LVS MC
106 MAGNUM OPUS, (E), Santacruz West, Mumbai, 400055, Maharastra State, India
TEL 91-22-2667-4308 FAX 91-22-2667-4309
HP http://www.mitsubishielectric.in LANGUAGE Marathi/Hindi/English

MITSUBISHI ELECTRIC INDIA PVT. LTD.
Nagpur Branch PLC HMI SV INV LVS MC
Plot No. 8, NIIT Layout, Ravindra Nagar, Ring Road, Nagpur, Maharashtra, India
TEL 91-712-228-4020
HP http://www.mitsubishielectric.in LANGUAGE Marathi/Hindi/English

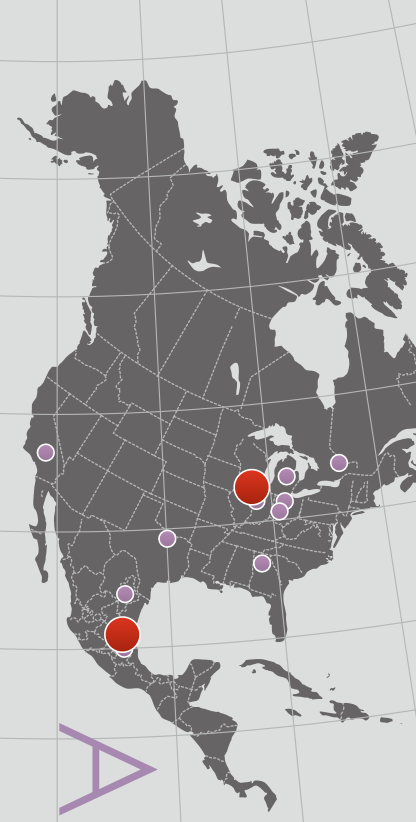
MITSUBISHI ELECTRIC INDIA PVT. LTD.
Indore Branch PLC HMI SV INV LVS MC
110 1st Floor, Shagun Commercial Complex, Plot No. 7/PU - 4, Scheme No. 54, Vijay Nagar, Indore - 452010, Madhya Pradesh, India
TEL 91-731-605-0013
HP http://www.mitsubishielectric.in LANGUAGE Hindi/English

Oceania

Oceania

Sales Offices

AUSTRALIA
MITSUBISHI ELECTRIC AUSTRALIA PTY. LTD. PLC HMI SV INV
348 Victoria Road, P.O. Box 11, Rydalmere, N.S.W 2116, Australia
TEL 61-2-9684-7777 FAX 61-2-9684-7245
HP http://www.mitsubishielectric.com.au LANGUAGE English



Americas/Mexico

Americas/Mexico

North America FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC AUTOMATION, INC.

500 Corporate Woods Parkway, Vernon Hills, IL 60061, U.S.A.
TEL 1-847-478-2100
FAX 1-847-478-2253/1-847-478-2650(NC)/1-847-478-2396(LVS, MC)
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English/Spanish/Japanese
* Japanese engineers are stationed in the FA Center.

TEL Technical Consulting

(Support hours: 7:00 to 19:00 (CST))
TEL 1-800-950-7781
LANGUAGE English
TEL 1-847-478-2469 (PLC, HMI)
1-847-478-2334
(SV, INV, RB, LVS, MC)
LANGUAGE Japanese

Regional Sales Office in America

MITSUBISHI ELECTRIC AUTOMATION, INC. PLC HMI SV INV RB CNC LVS MC
500 Corporate Woods Parkway, Vernon Hills, IL 60061, U.S.A.
TEL 1-847-478-2100/1-847-478-2500(NC)
FAX 1-847-478-2253/1-847-478-2650(NC)/1-847-478-2396(LVS, MC)
HP https://us.mitsubishielectric.com/fa/en
LANGUAGE English/Spanish/Japanese

Sales Offices

CANADIAN REGION
MITSUBISHI ELECTRIC AUTOMATION, INC.
Canadian Region PLC HMI SV INV RB CNC LVS MC
4299 14th Avenue, Markham, Ontario L3R OJ2, Canada
TEL 1-905-475-8989/1-905-475-7728(NC)
FAX 1-905-475-7935
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English

SOUTH OHIO
MITSUBISHI ELECTRIC AUTOMATION, INC.
Central Region Cincinnati - Ohio PLC HMI SV INV LVS MC
World Park 5 10166 International Blvd. Cincinnati, Ohio 45246, U.S.A.
TEL 1-513-785-0530
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English

NORTH OHIO
MITSUBISHI ELECTRIC AUTOMATION, INC.
Central Region Sidney - Ohio PLC HMI SV INV LVS MC
213 1/2 N. Ohio Avenue Sidney, Ohio 45365, U.S.A.
TEL 1-1-937-492-3058
FAX 1-937-492-3058
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English/Japanese

MICHIGAN
MITSUBISHI ELECTRIC AUTOMATION, INC.
Central Region Northville - Michigan PLC HMI SV INV LVS MC
15603 Centennial Drive, Northville, MI 48168, U.S.A.
TEL 1-734-453-6200
FAX 1-734-455-4299
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English

EASTERN REGION
MITSUBISHI ELECTRIC AUTOMATION, INC.
Eastern Region PLC HMI SV INV RB CNC LVS MC
1845 Satellite Boulevard Suite 450, Duluth, GA 30097, U.S.A.
TEL 1-678-258-4500
FAX 1-847-876-6684
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English

WESTERN REGION
MITSUBISHI ELECTRIC AUTOMATION, INC.
Western Region PLC HMI SV INV RB CNC LVS MC
16900 Valley View Ave. La Mirada, CA 90638, U.S.A.
TEL 1-714-699-2626
FAX 1-714-699-2620
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English

MITSUBISHI ELECTRIC AUTOMATION, INC.
Western Region Branch Office PLC HMI SV INV LVS MC
48511 Warm Springs Blvd, Suite 209 Fremont, CA 94539 U.S.A.
TEL 1-510-344-8020
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English/Japanese

TEXAS
MITSUBISHI ELECTRIC AUTOMATION, INC.
Western Region Grapevine - Texas PLC HMI SV INV RB CNC LVS MC
1000 Nolen Drive, Suite 200, Grapevine, TX 76051, U.S.A.
TEL 1-817-416-9767/1-817-251-7468(NC)
FAX 1-817-416-5000
HP https://us.mitsubishielectric.com/fa/en LANGUAGE English/Spanish

Mexico FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC AUTOMATION, INC. Mexico Branch

Mariano Escobedo #69, Col. Zona Industrial, Tlalnepantla Edo. Mexico, C.P. 54030
TEL 52-55-3067-7500
HP https://us.mitsubishielectric.com/fa/en
LANGUAGE English/Spanish/Japanese
* Japanese engineers are stationed in the FA Center.

Sales Offices

MITSUBISHI ELECTRIC AUTOMATION, INC.
Mexico Branch PLC HMI SV INV RB CNC LVS MC
Mariano Escobedo #69, Col. Zona Industrial, Tlalnepantla Edo, Mexico, C.P.54030
TEL 52-55-3067-7511
HP https://us.mitsubishielectric.com/fa/en
LANGUAGE Spanish/English/Japanese

MITSUBISHI ELECTRIC AUTOMATION, INC.
Monterrey Office PLC HMI SV INV RB CNC LVS MC
Plaza Mirage, Av. Gonzalitos 460 Sur, Local 28, Col. San Jerónimo, Monterrey, Nuevo Leon, C.P. 64640, Mexico
TEL 52-55-3067-7521
HP https://us.mitsubishielectric.com/fa/en
LANGUAGE Spanish/English

Brazil

Brazil

Brazil FA Center

PLC HMI SV INV RB

MITSUBISHI ELECTRIC DO BRASIL COMÉRCIO E SERVIÇOS LTDA.

Rua Jussara, 1750- Bloco B Anexo, Jardim Santa Cecilia, CEP 06465-070, Barueri - SP, Brasil

TEL 55-11-4689-3000 FAX 55-11-4689-3016

HP http://www.mitsubishielectric.com/fa/br_pt/

LANGUAGE Portuguese/English/Japanese

* Japanese engineers are stationed in the FA Center.

Brazil Boituva FA Center

CNC

MELCO CNC DO BRASIL COMÉRCIO E SERVIÇOS S.A.

Acesso Jose Sartorelli, KM 2.1 CEP 18550-000 Boituva-SP, Brasil

TEL 55-15-3363-9900 FAX 55-15-3363-9911

HP http://www.melcocnc.com.br/

LANGUAGE Portuguese/English/Japanese

Sales Offices

MITSUBISHI ELECTRIC DO BRASIL COMÉRCIO E SERVIÇOS LTDA. PLC HMI SV INV RB

Rua Jussara, 1750- Bloco B Anexo, Jardim Santa Cecilia, CEP 06465-070, Barueri - SP, Brasil

TEL 55-11-4689-3000 FAX 55-11-4689-3016

LANGUAGE Portuguese/English/Japanese

HP http://www.mitsubishielectric.com/fa/br_pt/

MELCO CNC DO BRASIL COMÉRCIO E SERVIÇOS S.A. CNC

Acesso Jose Sartorelli, KM 2.1 CEP 18550-000 Boituva-SP, Brasil

TEL 55-15-3363-9900 FAX 55-15-3363-9911

LANGUAGE Portuguese/English/Japanese

HP http://www.melcocnc.com.br/

Distributors

ARTCOM COM. E DISTRIBUIÇÃO DE MAQ.E EQUIPAMENTOS INDUSTRIAIS LTDA. PLC HMI SV INV

Av. Getulio Vargas, 943, Bairro Niteroi, CEP 92480-000, Canoas - RS, Brasil

TEL 55-51-3031-7677

HP http://www.artcom-rs.com.br/

LANGUAGE Portuguese

AUTOMAFLEX IND.COM.E REPRES LTDA. PLC HMI SV INV

Rua Piraju, 265, B. Sta. Maria Goreti, CEP 91030-130, Porto Alegre - RS, Brasil

TEL 55-51-3901-1630 FAX 55-51-3901-1630

HP http://www.automaflexrs.com.br/

LANGUAGE Portuguese/English

AUTOMOTION IND. COM. IMP. E EXP. LTDA. PLC HMI SV INV

Acesso Jose Sartorelli, KM 2.1 CEP 18550-000, Boituva - SP, Brasil

TEL 55-15-3363-9900 FAX 55-15-3363-9911

HP http://www.automotion.com.br/

LANGUAGE Portuguese/English

CETEM Automacao Industrial LTDA. PLC HMI SV INV

Rua Candido Benicio, 1381, Bairro Praca Seca, CEP 21321-802, Rio de Janeiro - RJ, Brasil

TEL 55-21-3350-8833

HP http://www.cetemrj.com.br/

LANGUAGE Portuguese/English

CIM Automacao LTDA. PLC HMI SV INV RB

Rua Minas Gerais, 409, Diadema, CEP 09941-760, SaoPaulo - SP, Brasil

TEL 55-11-3389-1118

HP http://www.cimautomacao.com.br/

LANGUAGE Portuguese/English

LARATEC COM DE FERRAMENTAS LTDA. PLC HMI SV INV

Rua Albano Reis, 1058, Bom Retiro, CEP 80520-530, Curitiba - PR, Brasil

TEL 55-41-3022-1666

HP http://www.laratec.com.br

LANGUAGE Portuguese

MPA Automacao LTDA. PLC HMI SV INV

Av. ENG. EURICO VIANA - SETOR LESTE, Bairro VILA NOVA, CEP 74740-170, GOIANIA - GO, Brasil

TEL 55-62-3541-0015

HP http://www.mpaautomacao.com.br

LANGUAGE Portuguese

RGO COMERCIO MANUTENCAO E IMP DE EQUIP ELETRONICOS LTDA. PLC HMI INV

Rua Sergio Cardoso, 72, Jardim Paraiso, CEP 13211-374, Jundiai - SP, Brasil

TEL 55-11-3963-6020

HP http://www.rgoeletronica.com.br

LANGUAGE Portuguese

SEMATEX AUTOMAÇÃO INDUSTRIAL LTDA. PLC HMI SV INV

Rua Buenos Aires, 459 - Sala 101, Ponta Aguda, CEP 89051-050, Blumenau - SC, Brasil

TEL 55-47-3323-8000

HP http://www.sematex.com.br/

LANGUAGE Portuguese

SUNXTRONIC DA AMAZ IMP E EXP LTDA. PLC HMI SV INV RB

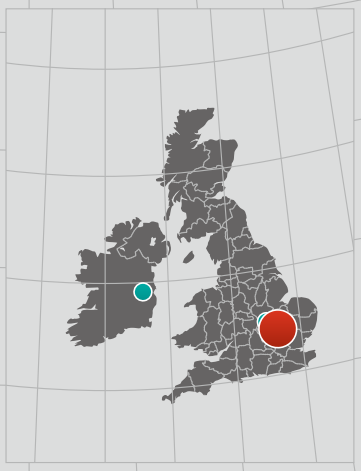
Rua Jose Paranagua, 470C - Centro, CEP 69005-130, Manaus - AM, Brasil

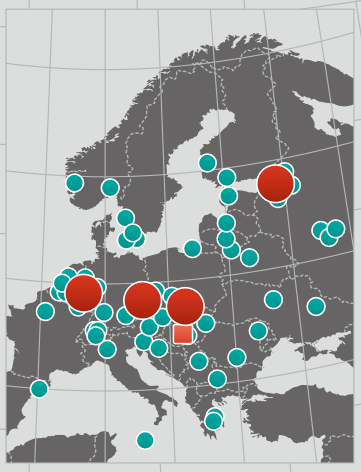
TEL 55-92-3233-5497 FAX 55-92-3233-9723

HP http://www.sunxtronic.com.br/

LANGUAGE Portuguese/English

Sales offices PLC Programmable Controllers HMI Human-Machine Interfaces SV AC Servos, Servo System Controllers INV Inverters





Europe

Europe

Europe FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC EUROPE B.V. Polish Branch
ul. Krakowska 50, 32-083 Balice, Poland
TEL 48-12-347-65-00/48-12-347-65-81(Japanese speaking operator)
FAX 48-12-630-47-01
HP https://pl3a.mitsubishielectric.com
LANGUAGE Polish/English/Japanese
E-mail JapanDesk.EUFACENTER@meg.mee.com
* Japanese engineers are stationed in the FA Center.

Germany FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC EUROPE B.V. German Branch
Gothaer Strasse 8, D-40880 Ratingen, Germany
TEL 49-2102-486-0 FAX 49-2102-486-1120
HP https://de3a.mitsubishielectric.com
LANGUAGE German/English

UK FA Center

PLC HMI SV INV RB LVS MC

MITSUBISHI ELECTRIC EUROPE B.V. UK Branch
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, U.K.
TEL 44-1707-28-8780
FAX 44-1707-27-8695
HP https://gb3a.mitsubishielectric.com
LANGUAGE English

Czech Republic FA Center

PLC HMI SV INV RB LVS MC

MITSUBISHI ELECTRIC EUROPE B.V. Czech Branch
Avenir Business Park, Radlicka 751/113e, 158 00 Praha5, Czech Republic
TEL 420-251-551-470 FAX 420-251-551-471
HP https://cz3a.mitsubishielectric.com
LANGUAGE Czech/English/Japanese
* Japanese engineers are stationed in the FA Center.

Russia FA Center

PLC HMI SV INV RB LVS MC

MITSUBISHI ELECTRIC (RUSSIA) LLC
St. Petersburg Branch
Piskarevsky pr. 2, bld 2, lit "Sch", BC "Benua", office 709; 195027,
St. Petersburg, Russia
TEL 7-812-633-3497 FAX 7-812-633-3499
HP https://ru3a.mitsubishielectric.com
LANGUAGE Russian/English/Japanese

Europe

FA Center Satellite

MITSUBISHI ELECTRIC EUROPE Hungary FA Center Satellite PLC HMI SV INV RB LVS MC

Ferto Utca 14, HU-1107 Budapest, Hungary
TEL 36-1-431-9726 FAX 36-1-431-9727
HP https://hu3a.mitsubishielectric.com
LANGUAGE English/Hungarian

Regional Sales Office in Europe

MITSUBISHI ELECTRIC EUROPE B.V. - Factory Automation European Business Group PLC HMI SV INV RB CNC LVS MC

Gothaer Strasse 8, D-40880 Ratingen, Germany
TEL 49-2102-486-0
FAX 49-2102-486-1120/49-2102-486-9880(NC)
HP https://eu3a.mitsubishielectric.com
LANGUAGE German/English

Sales Offices

GERMANY

MITSUBISHI ELECTRIC EUROPE B.V.
German Branch PLC HMI SV INV RB CNC LVS MC
Gothaer Strasse 8, 40880 Ratingen, Germany
TEL 49-2102-486-0
FAX 49-2102-486-1120/49-2102-486-9880(NC)
HP https://de3a.mitsubishielectric.com LANGUAGE German/English

Customer Technology Center North PLC HMI SV INV RB CNC LVS MC
Revierstrasse 21, 44379 Dortmund, Germany
TEL 49-231-967041-0 FAX 49-231-967041-41
HP https://de3a.mitsubishielectric.com LANGUAGE German/English

Customer Technology Center South-West PLC HMI SV INV RB CNC LVS MC
Kurze Str.40, 70794 Filderstadt, Germany
TEL 49-711-770598-0/49-711-770598-123(NC)
FAX 49-711-770598-79/49-711-770598-141(NC)
HP https://de3a.mitsubishielectric.com LANGUAGE German/English

Customer Technology Center South-East PLC HMI SV INV RB CNC LVS MC
Lilienthal Str. 2A, 85399 Hallbergmoos, Germany
TEL 49-811-99874-0 FAX 49-811-99874-10
HP https://de3a.mitsubishielectric.com LANGUAGE German/English

UNITED KINGDOM

MITSUBISHI ELECTRIC EUROPE B.V.
UK Branch PLC HMI SV INV RB LVS MC
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, U.K.
TEL 44-1707-28-8780 FAX 44-1707-27-8695
HP https://gb3a.mitsubishielectric.com LANGUAGE English

FRANCE

MITSUBISHI ELECTRIC EUROPE B.V.
French Branch PLC HMI SV INV RB CNC LVS MC
25, Boulevard des Bouvets, F-92741 Nanterre Cedex, France
TEL 33-1-55-68-55-68/33-1-41-02-83-13(NC)
FAX 33-1-55-68-57-57
HP https://fr3a.mitsubishielectric.com LANGUAGE French/English

ITALY

MITSUBISHI ELECTRIC EUROPE B.V.
Italian Branch PLC HMI SV INV RB CNC LVS MC
Centro Direzionale Colleoni - Palazzo Sirio Viale Colleoni 7,
20864 Agrate Brianza(Milano) Italy
TEL 39-039-60531/39-039-6053-342(NC)
FAX 39-039-6053-312
HP https://it3a.mitsubishielectric.com
http://mechatronics.mitsubishielectric.it/it/(NC)
LANGUAGE Italian/English

SPAIN

MITSUBISHI ELECTRIC EUROPE, B.V.
Spanish Branch PLC HMI SV INV RB CNC LVS MC
Carretera de Rubí, 76-80-Apdo. 420, 08173 Sant Cugat del Vallés (Barcelona), Spain
TEL 34-935-65-3131/34-935-65-2236(NC)
FAX 34-935-89-1579
HP https://es3a.mitsubishielectric.com LANGUAGE English/Spanish/Portuguese

IRELAND

MITSUBISHI ELECTRIC EUROPE B.V.
Irish Branch PLC HMI SV INV RB LVS MC
Westgate Business Park, Ballymount, IRL-Dublin 24, Ireland
TEL 353-1-4198800 FAX 353-1-4198890
HP https://ie3a.mitsubishielectric.com LANGUAGE English

CZECH REPUBLIC

MITSUBISHI ELECTRIC EUROPE B.V.
Czech Branch PLC HMI SV INV RB LVS MC
Avenir Business Park, Radlicka 751/113e, 158 00 Praha5, Czech Republic
TEL 420-251-551-470 FAX 420-251-551-471
HP https://cz3a.mitsubishielectric.com LANGUAGE English/Czech

POLAND

MITSUBISHI ELECTRIC EUROPE B.V.
Polish Branch PLC HMI SV INV RB CNC LVS MC
ul. Krakowska 50, 32-083 Balice, Poland
TEL 48-12-630-47-00 FAX 48-12-630-47-01
HP https://pl3a.mitsubishielectric.com LANGUAGE English/Polish

RUSSIA

MITSUBISHI ELECTRIC (RUSSIA) LLC PLC HMI SV INV RB LVS MC
52, bld. 1, Kosmodamianskaya nab., 115054 Moscow, Russia
TEL 7-495-721-2070 FAX 7-495-721-2071
HP https://ru3a.mitsubishielectric.com LANGUAGE Russian/English/German

MITSUBISHI ELECTRIC (RUSSIA) LLC
St. Petersburg Branch PLC HMI SV INV RB LVS MC
Piskarevsky pr. 2, bld 2, lit "Sch", BC "Benua", office 709, 195027 St. Petersburg, Russia
TEL 7-812-633-3497 FAX 7-812-633-3499
HP https://ru3a.mitsubishielectric.com LANGUAGE Russian/English/Japanese

SWEDEN

MITSUBISHI ELECTRIC EUROPE B.V.
(Scandinavia) PLC HMI SV INV RB CNC LVS MC
Fjelievägen 8, SE-22736 Lund, Sweden
TEL 46-8-625-10-00 FAX 46-46-39-70-18
HP https://se3a.mitsubishielectric.com/fa/sv LANGUAGE Swedish/English

Distributors

ARMENIA

Industrial Technologies PLC HMI SV INV LVS MC
Fourth str., 17, Microrajon, 2302 Razdan, Armenia
TEL 374-94-005-675
LANGUAGE Russian/English

AUSTRIA

GEVA Elektronik-Handelsgesellschaft mbH PLC HMI SV INV RB
Wiener Str. 89, A-2500 Baden, Austria
TEL 43-2252-85552-0 FAX 43-2252-48860
HP http://www.geva.at LANGUAGE German/English

BELARUS

Technikon Ltd. PLC HMI SV INV RB CNC LVS MC
177-9, Nezavisimosti pr. 220125 Minsk, Belarus
TEL 375-17-393-1177 FAX 375-17-393-0081
HP http://www.technikon.by LANGUAGE Belarussian/Russian/English

BELGIUM

ESCO Drives PLC HMI SV INV RB
Kouterveld - Culliganlaan 3, BE-1831 Diegem, Belgium
TEL 32-2-717-6460 FAX 32-2-717-6461
HP http://www.esco.be LANGUAGE English/French/Dutch

Koning & Hartman B.V., Industrial Solutions PLC HMI SV INV RB LVS MC
Woluwelaan 31, BE-1800 Vilvoorde, Belgium
TEL 32-2-257-02-40 FAX 32-2-257-02-49
HP http://www.koningenhartman.be/nl
LANGUAGE German/English/Dutch/French

BULGARIA

Akhnaton Ltd PLC HMI SV INV RB CNC
4, Andrei Ljapchev Blvd., PO Box 21, BG-1756 Sofia, Bulgaria
TEL 359-2-817-6000 FAX 359-2-817-69-99
HP http://www.akhnaton.biz LANGUAGE Bulgarian/English

CROATIA

INEA CR d.o.o. PLC HMI SV INV
Lošinjska 4a, 10000 Zagreb, Croatia
TEL 385-1-3694-001 FAX 385-1-3694-003
HP http://www.inea.hr LANGUAGE Croatian/English

Distributors

CZECH REPUBLIC

AutoCont Control Systems, s.r.o. PLC HMI SV INV RB CNC LVS MC
Kafkova 1853/3, 702 00 Ostrava 2, Czech Republic
TEL 420-59-5691-150/420-59-5691-185(NC)
FAX 420-59-5691-199 HP http://www.autocontcontrol.cz
LANGUAGE English/Czech

DENMARK

Beijer Electronics A/S PLC HMI SV INV RB
Lykkegardsvej 17, DK-4000 Roskilde, Denmark
TEL 45-46-757-666 FAX 45-46-755-626
HP http://www.beijer.dk LANGUAGE Danish/English/German

Hans Følsgaard A/S PLC HMI SV INV RB LVS MC
Theilgaards Torv 1, DK-4600 Køge, Denmark
TEL 45-4320-8600 FAX 45-4396-8855
HP http://www.hf.net LANGUAGE Danish/English/German

ESTONIA

Beijer Electronics Eesti OÜ PLC HMI SV INV
Pärnu mnt 160ij, EE-11317 Tallinn, Estonia
TEL 372-6518-140 FAX 372-6518-149
HP http://www.beijer.ee LANGUAGE Estonian/English

FINLAND

Beijer Electronics Oy PLC HMI SV INV RB
Vanha Nurmijärventie 62, 01670 Vantaa, Finland
TEL 358-207-463-500 FAX 358-207-463-501
HP http://www.beijer.fi LANGUAGE Finnish/English

Provendor Oy PLC HMI SV INV RB LVS MC
Teljänkatu 8 A3, FIN-28130 Pori, Finland
TEL 358-2-522-3300 FAX 358-2-522-3322
HP http://www.provendor.fi LANGUAGE Finnish/English

GREECE

Kalamarakis - Sapounas LVS MC
Ionas & Neromilou str., 136 78 Chamomilos-Acharnes, Athens, Greece
TEL 30-2102-406000 FAX 30-2102-406007
HP http://www.ksa.gr LANGUAGE Greek/English

UTECO PLC HMI SV INV RB LVS MC
5, Mavrogenous Str., 185 42 Piraeus, Greece
TEL 30-211-1206-900 FAX 30-211-1206-999
HP http://www.uteco.gr LANGUAGE Greek/English

HUNGARY

Meltrade Automatika Kft. PLC HMI SV INV RB LVS MC
Ferto Utca 14, HU-1107 Budapest, Hungary
TEL 36-1-431-9726 FAX 36-1-431-9727
HP http://www.meltrade.hu LANGUAGE Hungarian/English

KAZAKHSTAN

TOO "KAZPROMAVTOMATIKA"
PLC HMI SV INV RB CNC LVS MC
Zhambyla str. 28, KZ-100012, Karaganda, Kazakhstan
TEL 7-7212-50-11-50 FAX 7-7212-50-10-00
HP http://www.kpakz.com
LANGUAGE Russian/English/Kazakh

KYRGYZSTAN

Bishkek Equipment Maintenance Centre ZTOTO PLC HMI INV
Zhukeeva Budovkina str. 122, 720064 Bishkek, Kyrgyzstan
TEL 996-312-56-6340 FAX 996-312-56-6340
LANGUAGE Russian/English

LATVIA

Beijer Electronics SIA PLC HMI SV INV
Ritausmas iela 23, LV-1058 Riga, Latvia
TEL 371-784-2280 FAX 371-784-2281
HP http://www.beijer.lv LANGUAGE Latvian/English

LITHUANIA

Beijer Electronics UAB PLC HMI SV INV
Gostautu g. 3, LT-48324 KAUNAS, Lithuania
TEL 370-37-262707 FAX 370-37-455605
HP http://www.beijer.lt LANGUAGE Lithuanian/English

Rifas UAB LVS MC
Tinklu g. 35, LT-35115 Panevezys, Lithuania
TEL 370-45-582-728 FAX 370-45-582-729
HP http://www.rifas.lt LANGUAGE Lithuanian/English

MALTA

Alfatrade Ltd. PLC HMI SV INV RB LVS MC
99, Paola Hill, MT-Paola PLA 1702, Malta
TEL 356-21-697816 FAX 356-21-697817 LANGUAGE English

MOLDOVA

Intehsis srl PLC HMI SV INV LVS MC
Boulevard Traian 23/1, MD-2060 Chisinau, Moldova
TEL 373-22-66-4242 FAX 373-22-66-4280 LANGUAGE Russian/English

THE NETHERLANDS

Hiflex Automatiseringstechniek B.V. PLC HMI SV INV RB
Wolweverstraat 22, NL-2984 CD Ridderkerk, Netherlands
TEL 31-180-46-60-04 FAX 31-180-44-23-55
HP http://www.hiflex.nl LANGUAGE English/Dutch

Imtech Marine & Offshore B.V. INV LVS MC
Sluisjesdijk 155, NL-3087 AG Rotterdam, Netherlands
TEL 31-10-487-19-11 FAX 31-10-487-1692
HP http://www.imtechmarine.com LANGUAGE English/Dutch

Koning & Hartman B.V. PLC HMI SV INV RB
Haarlerbergweg 21-23, NL-1101 CH, Amsterdam, Netherlands
TEL 31-20-587-76-00 FAX 31-20-587-76-05
HP http://www.koningenhartman.com LANGUAGE German/English/Dutch

NORWAY

Beijer Electronics AS PLC HMI SV INV RB
Postboks 487, NO-3002 Drammen, Norway
TEL 47-32-243000 FAX 47-32-848577
HP http://www.beijer.no LANGUAGE Norwegian/English

Scanelec AS LVS MC
Leirvikasen 43B, NO-5179 Godvik, Norway
TEL 47-55-506000 FAX 47-55-506001
HP http://www.scanelec.no LANGUAGE Norwegian/English

ROMANIA

Sirius Trading & Services srl PLC HMI SV INV RB LVS MC
Aleea Lacul Morii Nr. 3, RO-060841 Bucuresti Sector 6, Romania
TEL 40-21-430-40-06 FAX 40-21-430-40-02
HP http://www.siriustrading.ro LANGUAGE Romanian/English

RUSSIA

Electrotechnical Systems Ltd. PLC HMI SV INV RB LVS MC
Derbenevskaya emb. 11 Bldg. A, 5th floor, office A525, 115114 Moscow, Russia
TEL 7-495-744-5554 FAX 7-495-744-5554
HP http://www.es-electro.ru LANGUAGE Russian/English

STC Privodnaya Technika SV INV
1st Magistralnyi Tupik 10, bld. 1, 123290 Moscow, Russia
TEL 7-495-786-2100 FAX 7-495-786-2101
HP http://www.privod.ru LANGUAGE Russian/English/German

NC-TECH CNC
213, B.Novodmitrovskaya str. 14/2, 127015 Moscow, Russia
TEL 7-495-748-0191 FAX 7-495-748-0192
HP http://www.nc-tech.ru LANGUAGE Russian/English

Avtomatika Sever PLC HMI SV INV LVS MC
Lva Tolstogo str. 7, office 311, 197376 St. Petersburg, Russia
TEL 7-812-303-9648 FAX 7-812-718-3239
HP http://www.avtomatika.info LANGUAGE Russian/English

PTF ConSys PLC HMI SV INV RB LVS MC
Vozrozhdeniya, 20A, 198188 St. Petersburg, Russia
TEL 7-812-325-3653 FAX 7-812-334-0890
HP http://www.consys.ru LANGUAGE Russian/English

Techpribor PLC HMI SV INV LVS MC
Dnepropetrovskaya str. 13, office 1, 236004 Kaliningrad, Russia
TEL 7-4012-65-03-22 FAX 7-4012-65-38-33
HP http://www.techpribor-kaliningrad.ru LANGUAGE Russian/English

Intellectualny Dom PLC HMI SV INV
Kaslinskaya str.44, office 454084 Chelyabinsk, Russia
TEL 7-351-790-55-16 FAX 7-351-790-93-32
HP http://www.idom.ru LANGUAGE Russian/English

RPS-Avtomatika PLC HMI SV INV LVS MC
Nagibina str. 40a, office 105, 344018 Rostov-na-Donu, Russia
TEL 7-863-226-35-72 FAX 7-863-231-23-52
HP http://www.rps-a.ru LANGUAGE Russian/English

SERBIA

INEA SR d.o.o. PLC HMI SV INV RB LVS MC
Ul. Karadjordjeva 12/217, SER-113000 Smederevo, Serbia
TEL 381-64-68-55-187
HP http://www.inea.rs LANGUAGE Serbian/English

SLOVENIA

INEA RBT d.o.o. PLC HMI SV INV RB LVS MC
Stegne 11, SI-1000 Ljubljana, Slovenia
TEL 386-1-5138-116 FAX 386-1-5138-170
HP http://www.inea-rbt.si LANGUAGE Slovenian/English

SWEDEN

Beijer Electronics Automation AB PLC HMI SV INV RB
Box 426, SE-20124 Malmö, Sweden
TEL 46-40-358600 FAX 46-40-932301
HP http://www.beijer.se LANGUAGE Swedish/English

Euro Energy Components AB LVS MC
Järnvägsgatan 36, Box 10348, SE-434 24 Kungsbacka, Sweden
TEL 46-300-690040 FAX 46-300-16475
HP http://www.euroenergy.se LANGUAGE Swedish/English

* English is available at each local distributors. If you require Japanese correspondence, please contact our Europe FA Center.

Europe

SWITZERLAND

Omni Ray AG PLC HMI SV INV
Im Schörli 5, CH-8600 Dübendorf, Switzerland
TEL 41-44-802-28-80 FAX 41-44-802-28-28
HP http://www.omniray.ch LANGUAGE English/German/French

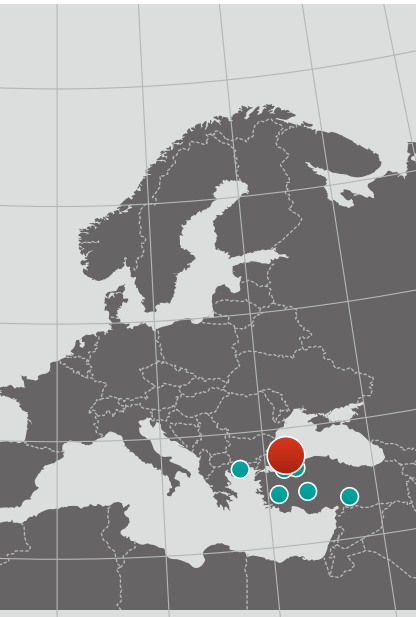
Robotronic AG PLC HMI SV INV RB
Schlachthofstrasse 8, CH-8406 Winterthur, Switzerland
TEL 41-52-267-0200 FAX 41-52-267-0201
HP http://www.robotronic.ch LANGUAGE English/German/French

Trielec AG LVS MC
Mühlentalstrasse 136, CH-8201 Schaffhausen, Switzerland
TEL 41-52-625-84-25 FAX 41-52-625-88-25
HP http://www.trielec.ch LANGUAGE German/English

UKRAINE

CSC Automation Ltd. PLC HMI SV INV RB CNC LVS MC
M. Raskovoyi st. 4-b, 02660 Kiev, Ukraine
TEL 380-44-494-3344 FAX 380-44-494-3366
HP http://www.kck.ua LANGUAGE Ukrainian/Russian/English

CSC Automation Ltd. CNC
Aptekarskiy lane 9-a, office 3, 61001 Kharkov, Ukraine
TEL 380-57-732-7774 FAX 380-57-731-8721
HP http://www.kck.ua LANGUAGE Russian/English



Turkey

Turkey

Turkey FA Center

PLC HMI SV INV RB CNC LVS MC

MITSUBISHI ELECTRIC TURKEY A.Ş Ümraniye Branch
Şerifali Mahallesi Nutuk Sokak No:5, TR-34775 Ümraniye, İstanbul, Türkey
TEL 90-216-526-3990
FAX 90-216-526-3995
HP https://tr3a.mitsubishielectric.com
LANGUAGE Turkish/English/Japanese
* Japanese engineers are stationed in the FA Center.

Sales Offices

MITSUBISHI ELECTRIC TURKEY A.Ş
Ümraniye Branch PLC HMI SV INV RB CNC LVS MC
Şerifali Mahallesi Nutuk Sokak No:5, TR-34775 Ümraniye / İstanbul, Turkey
TEL 90-216-526-3990 FAX 90-216-526-3995
HP https://tr3a.mitsubishielectric.com LANGUAGE Turkish/English/Japanese

Distributors

ETA ELEKTROTEKNİK SAN. TİC. LTD. ŞTİ. PLC HMI SV INV LVS MC
Yeşil Tepe Mah. Uluyol Cad. No:114 Erenler / Adapazari / Sakarya
TEL 90-264-275-8104 FAX 90-264-275-7507
HP http://etaelektroteknik.com
LANGUAGE Turkish/English

ESO ENDÜSTRİYEL ELEKT.SİST. OTOMASYON SAN.TİC.LTD.ŞTİ. PLC HMI SV INV LVS MC
İzmit Sanayi Sitesi 3.Cadde 202. Blok No:27 İzmit / Kocaeli
TEL 90-262-335-0716 FAX 90-262-335-1947
HP http://www.esoendustriyel.com
LANGUAGE Turkish/English

GEOTEK ELEKTRİK ELEKTRONİK OTOMASYON SAN.VE TİC.LTD.ŞTİ. PLC HMI SV INV LVS MC
1443 Sk.No:3K Keremoğlu İş Merkezi P.K 35170 Yenişehir/ İzmir
TEL 90-232-433-4780 FAX 90-232-433-4781
HP http://www.geotekotomasyon.com/iletisim.html
LANGUAGE Turkish/English

BİRMAG MÜHENDİSLİK SAN.TİC.LTD.ŞTİ. PLC HMI SV INV LVS MC
Gazi Muhtarpaşa Bulvari Mücahi Tler MH. 54 Nolu SK.
Güneydoğu İş Merkezi No:8/6 Şehitkamil / Gaziantep
TEL 90-342-215-0504 FAX 90-342-215-0599
HP http://www.birmag.com LANGUAGE Turkish/English

GENFOTEK GENEL FABRİKA OTOMASYON TEKNOLOJİLERİ SAN. TİC. LTD.ŞTİ. PLC HMI SV INV LVS MC
Zafer Mah. Yeni San.Sitesi M-7 Blok No:21Çorlu / Tekirdağ
TEL 90-282-651-3486 FAX 90-282-651-3496
HP http://www.genfotek.com
LANGUAGE Turkish/English

OPTİMAS ELK.MÜH.İNŞ.TUR.ORG.SAN.VE TİC.LTD.ŞTİ. PLC HMI SV INV LVS MC
Aykent San. Sitesi Hasan Basri Cad. №:10 Karatay / Konya
TEL 90-332-346-3083 FAX 90-332-346-3084
HP http://www.optimas.com.tr
LANGUAGE Turkish/English

* If you need any information regarding countries or regions other than listed above, please contact Europe FA center.

Middle East/Africa

Middle East/Africa

Sales Offices

Dubai Branch

MITSUBISHI ELECTRIC EUROPE B.V. Dubai Branch PLC HMI SV INV RB LVS MC
Dubai Silicon Oasis, P.O.BOX 341241, Dubai, U.A.E.
TEL 971-4-3724716 FAX 971-4-3724721
HP https://eu3a.mitsubishielectric.com LANGUAGE Arabic/English

Distributors

Middle East

EGYPT

I.C. SYSTEMS LTD. PLC HMI SV INV RB
23 Al-Saad-Al-Alee St., Sarayat, Maadi, Cairo, Egypt
TEL 20-2-235-98-548 FAX 20-2-235-96-625
HP http://www.icsystems-eg.com LANGUAGE Arabic/English

Cairo Electrical Group LVS MC
9 Rostoum Str. Garden City 8th Floor, Apt. 37
P.O. Box 165-11516 Maglis El-Shaab, Cairo, Egypt
TEL 20-2-279-23-203 FAX 20-2-279-62-719
LANGUAGE Arabic/English/French

ISRAEL

Sherf Motion Technologies Ltd. SV INV
Rehov Hamerkava 19, IL-58851 Holon, Israel
TEL 972-3-5595462 FAX 972-3-5560182
HP http://www.sherfmotion.co.il
LANGUAGE Hebrew/English

GIRIT CELADON LTD. PLC HMI
12 H'aomanut Street, IL-42505 Netanya, Israel
TEL 972-9-8633980 FAX 972-3-7537802
HP http://www.girit.co.il
LANGUAGE Hebrew/English

ILAN&GAVISH Automation PLC HMI RB
24 Shenkar St., Kiryat-Arie , IL-49001 Petah-Tikva, Israel
TEL 972-3-9221824 FAX 972-3-9240761
HP http://www.ilan-gavish.co.il
LANGUAGE Hebrew/English

LEBANON

CEG Liban - Comptoir d\'Electricite Generale Liban PLC HMI SV INV LVS MC
Cebaco Center - Block A, Autostrade Dora, Beirut, Lebanon
TEL 961-1-240-445 FAX 961-1-240-193
HP http://www.kpakz.com
LANGUAGE Arabic/English/French

SAUDI ARABIA

Center of Electrical Goods PLC HMI SV INV LVS MC
Al-Shuwayer Street Side way of Salahudin Al-Ayoubi Str. (Known as Sitteen Str.) Behind Bank Al-Bilad P.O. Box 15955, Riyadh 11454, Saudi Arabia
TEL 966-1-477-0149 FAX 966-1-477-6043
LANGUAGE Arabic/English/French

Other Middle East Arab Countries/Cyprus

Comptoir d'Electricité Générale - International - S.A.L. (Off Shore) PLC HMI SV INV LVS MC
Cebaco Center - Block A, Autostrade Dora, P.O. Box 11-1314 Beirut, Beirut, Lebanon
TEL 961-1-240-430 FAX 961-1-240-438
LANGUAGE Arabic/English/French

Africa

ALGERIA

MEC-CASA Complete Automation Solutions Algeria PLC HMI SV INV RB LVS MC
Rue i N 125 Hay-Es-Salem, 02000, W-Chlef, Algeria
TEL 213-27722867 FAX 213-27722867
HP http://www.mec-casa.com
LANGUAGE Arabic/English/French

MOROCCO

SCHIELE MAROC PLC HMI SV INV LVS MC
Km 7,2 Nouvelle Route de Rabat. Aîn Sebaâ. 20600 Casablanca, Maroco
TEL 212–5-22-66-01-51/52/53/54 FAX 212–5-22-66-01-56
HP http://www.schielemaroc.com LANGUAGE French/English

SENEGAL

Avangreen Senegal PLC HMI SV INV RB LVS MC
Rue B x Birago Diop nr. 27, Point E Dakar (Senegal)
TEL 221-33-825-74-20 FAX 221-33-825-74-30
HP http://www.avangreen.com LANGUAGE French/English

SOUTH AFRICA

MOTIONTRONIX CNC
No. 5 Albatross Street, Rhodesfield, Kempton Park 1619, South Africa
TEL 27-11-394-8512 FAX 27-11-394-8513
HP http://www.motiontronix.co.za LANGUAGE English

CBI-electric LVS MC
Private Bag 2016, 1600 Isando, South Africa
TEL 27-11-977-0770 FAX 27-11-977-0761
HP http://www.cbi-electric.com LANGUAGE English

ADROIT TECHNOLOGIES PLC HMI SV INV RB
20 Waterford Office Park, 189 Witkoppen Road, Fourways, South Africa
TEL 27-11-658-8100 FAX 27-11-658-8101
HP http://www.adroit.co.za LANGUAGE English

TUNISIA

MOTRA Electric PLC HMI SV INV LVS MC
3, Résidence Imen, Avenue des Martyrs Mourouj III, 2074 - El Mourouj III Ben Arous, Tunisia
TEL 216-71-474-599 FAX 216-71-474-671
HP http://www.motra-electric.com LANGUAGE French/English

Warranty

Warranty Information

1. Gratis Warranty Term and Gratis Warranty Range

If any faults or defects (hereinafter “Failure”) found to be the responsibility of Mitsubishi occur during use of the product within the gratis warranty term, the product shall be repaired at no cost via the sales representative. However, if repairs are required onsite, actual expenses to send an engineer will be borne by the customer. Mitsubishi shall not be held responsible for any re-commissioning, maintenance, or testing on-site that involves replacement of the failed module.

[Gratis Warranty Term]

The gratis warranty term of the product shall be between 12 months[*1] and 36 months[*2] after the date of purchase or delivery to a designated place.

Note that the product shall be distributed for a maximum period of 6 months after shipment, and the longest gratis warranty term after manufacturing shall be between 18 months[*1] and 42 months[*2]. In addition, the gratis warranty term of the product repaired shall not exceed the gratis warranty term before repairs.

[Gratis Warranty Range]

(1) The customer shall be responsible for the primary failure diagnosis unless otherwise specified.

If requested by the customer, Mitsubishi Electric Corporation or its representative firm may carry out the primary failure diagnosis at the customer’s expense.

The primary failure diagnosis will, however, be free of charge should the cause of failure be attributable to Mitsubishi Electric Corporation.

(2) The warranty shall apply only to the product used under normal situations such as when the usage state, method and/or environment conform to the conditions / precautions stated in the instruction manual, the user’s manual, the caution labels on the product, etc. The range shall be limited to normal use within the usage state, usage methods, usage environment, etc. which follow the conditions, precautions, etc. given in the instruction manual, user’s manual, caution labels on the product, etc.

(3) Even within the gratis warranty term, repairs shall be charged in the following cases.

①Any failure occurring from inappropriate storage or handling of the product, carelessness or negligence of the customer. Failure caused by the customer’s hardware or software design.

②Any failure caused by unapproved modifications, etc., to the product by the customer.

③When the Mitsubishi product is assembled into the customer’s device, any failure that could have been avoided if functions or structures, judged as necessary in the legal safety measures the customer’s device is subject to or judged as necessary by industry standards, had been provided.

④Any failure that could have been avoided if consumable parts designated in the user’s manual etc. had been correctly serviced or replaced.

⑤Replacement of consumable parts.

⑥Any failure caused by external irresistible forces such as fires or abnormal voltages, and any failure caused by force majeure such as earthquakes, lightning, wind and water damage.

⑦Any failure caused by reasons unpredictable by scientific technology standards at time of shipment from Mitsubishi.

⑧Any other failure found not to be the responsibility of Mitsubishi or admitted not to be so by the customer.

2. Onerous repair term after discontinuation of production

(1) Mitsubishi shall accept onerous product repairs for 7 years (4 years for the safety controller) after production of the product is discontinued.

Discontinuation of production shall be notified with Mitsubishi Technical Bulletins, etc.

(2) Product supply (including repair parts) is not available after production is discontinued.

3. Overseas service

Overseas, repairs shall be accepted by Mitsubishi’s local overseas FA Center. Note that the repair conditions at each FA Center may differ.

4. Exclusion of loss in opportunity and secondary loss from warranty liability

Regardless of the gratis warranty term, Mitsubishi shall not be liable for compensation to damages caused by any cause found not to be the responsibility of Mitsubishi, loss in opportunity, lost profits incurred to the customer by failures of Mitsubishi products, special damages and secondary damages, whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi products, replacement by the customer, maintenance of on-site equipment, start-up test run and other tasks.

5. Changes in product specifications

The specifications given in the catalogs, manuals or technical documents are subject to change without prior notice.

6. Product application

(1) In using the Mitsubishi product, the usage conditions shall be that the application will not lead to a major accident even if any problem or fault should occur in the product, and that backup and fail-safe functions are systematically provided outside of the device for any problem or fault.

(2) The Mitsubishi product has been designed and manufactured for applications in general industries, etc.

Thus, the product should not be used in applications that could affect the public, such as use in nuclear power plants or other power plants operated by respective power companies, and that require a special quality assurance system, such as use for railway companies or public sectors.

Also, the product should not be used in applications that could have significant impact on human life or property, such as use in aircraft, medical or railway services, incineration / fuel devices, manned transportation equipment, equipment for recreation / amusement, or safety devices.

However, Mitsubishi Electric Corporation may consider the possibility of using the product even in these fore-mentioned applications, if the customer acknowledges that the product has only limited application and that any special quality is not required.

(3) Depending on the product, because there shall be other terms defined that are not included in this context, please confirm when you place an order.

*1: The products (Safety controller / Inverter / Low-voltage circuit breaker / Magnetic contactors and starters / Power management measuring devices) whose gratis warranty term is either 12 months after delivery or 18 months after manufacturing.

*2: The products (Programmable controller (including C language controller) / Servo system controller / GOT / Energy-saving support device) whose gratis warranty term is either 36 months after delivery or 42 months after manufacturing.

*3: The gratis warranty term of the industrial robot shall be for either 12 months after delivery or 2000 operating hours (possible operating hours of 8 hours per day × 250 days).

*4: Oil mist environment for industrial robots

As a result of tests conducted using cutting oils shown in the table on the right, Mitsubishi confirms that the product satisfies IP (Ingress Protection) specifications. Using the product in an environment where any cutting oils other than those shown in the table on the right may cause the product to decrease in IP performance. Also, the warranty does not apply if a failure occurs in the product used in an atmosphere where any cutting oil other than those shown in the table on the right is used or where a robot is directly exposed to water, oil or dust beyond IP specs limits. If the customer wants to use a type of cutting oil, other than the applicable oils confirmed, Mitsubishi is ready to conduct a verification test of the oil on the behalf of the customer. For the latest information about any types of cutting oils, other than those listed in the table on the right, which have been confirmed as applicable, visit the website “Mitsubishi FA Site” (URL<http://www.mitsubishielectric.co.jp/fa>).

Cutting oils for oil mist environmental test

No.	Oil name	Manufacturer	Property	Operating condition
1	Castrol hysol X	Castrol	Water soluble	20 fold dilution
2	Castrol Syntilo 9954	Castrol	Water soluble	20 fold dilution
3	Yushiro oil CE	Yushiro Chemical Industry	Water-insoluble	–
4	Yushiroken E10	Yushiro Chemical Industry	Water soluble	20 fold dilution
5	Yushiroken synthetic 770TG	Yushiro Chemical Industry	Water soluble	20 fold dilution
6	Yushiroken FX90	Yushiro Chemical Industry	Water soluble	20 fold dilution
7	SUNCUT ES-50N	Nippon Grease	Water-insoluble	–
8	Searching cut SG555	Kyowa Oil Lubricants	Water-insoluble	–
9	Emul cut FA-800	Kyodo Yushi	Water soluble	–

*5: Usage environment for Magnetic contactors and starters

Do not use the product in the following locations, as it may cause the product to malfunction or shorten its operation life.

① Where the ambient temperature exceeds the range of -5 to +40°C.
② Where the average daily temperature exceeds 35°C.
③ Where the altitude exceeds 1000m.
④ Where abnormal vibration or shock happens.
⑤ Where there is the excessive amount of dust.
⑥ Where hazardous gases such as explosive, corrosive and flammable gases are generated.
⑦ Where there is the excessive amount of moisture or oil mist.
⑧ Where there is too much snow and ice.
⑨ Where it is always wet.
⑩ Where it is directly exposed to sea breeze.